Genetics Testing Compnay	Testing Panels	Order Codes	Testing Codes	Webiste
Amplexa Genetics A/S	EPILEPTIC ENCEPHALOPATHY (EE)			https://www.amplexa.com/test-level-4
Allele Diagnostics United States				http://www.allelediagnostics.com/
	Rapid microarray (CGH and SNP)			
Athena Diagnostics	Neurodevelopmental Disorders Intellectual Disability		1194	https://www.athenadiagnostics.com/view-full-catalog?searchtext=SYNGAP1
	Epilepsy Advanced Sequencing and CNV Evaluation - Syndromic Disorders		6033	
	Epilepsy Advanced Sequencing and CNV Evaluation - Epileptic Encephalopathy		6010	
	SYNGAP1 Sequencing Test			
	Epilepsy Advanced Sequencing and CNV Evaluation		6000	
Baylor College of Medicine				https://www.bcm.edu/research/medical-genetics-labs/tests.cfm
	PreSeek Non-invasive Prenatal Gene Sequencing Screen		21200	
CeGaT GmbH	Epilepsy: Epilepsy and Developmental Delay (incl. Epileptic Encephalopathies) (EPI02)	https://www.cegat.de/web/wp-content/uploads/2016/02/CeGaT_Order_Form_Diagnos		http://www.cegat.de/en/services/single-gene-testing/list-of-genes/
	Epilepsy, Metabolic and Brain Development Disorders			
	Single Gene Testing			
Centogene AG - the Rare Disease Company Germany				https://www.centogene.com/centogene/centogene-test-catalogue.php?aldh5a1
	Mental retardation, autosomal dominant type 5			https://www.centogene.com/ordering/how-to-order-a-test.html
	All Neuro panel Comprehensive epilepsy panel			

	Comprehensive epilepsy panel			
Emory Genetics Laboratory				http://geneticslab.emory.edu/, http://geneticslab.emory.edu/support/pdf/ref_range/OrgAcid_Ref_Range.pdf
	X-linked Intellectual Disability: Sequencing Panel(92 genes)			CPT Codes: 81243 x1, 81302 x1, 81401 x1, 81404 x1, 81405 x1, 81406 x1, 81407 x1, 81408 x1
	Epilepsy and Seizure Disorders: Sequencing Panel(162 genes)			CPT Codes: 81175 x1, 81302 x1, 81403 x1, 81404 x1, 81405 x1, 81406 x1, 81407 x1, 81409 x1, 81479 x1
Fulgent Diagnostics				https://www.fulgentgenetics.com/syngap1
	SYNGAP1 Single Gene		81479x2	
	SYNGAP1-Related Intellectual Disability (SYNGAP1 Single Gene Test)		81479x2	
	Epilepsy Comprehensive NGS Panel		81210, 81401, 81405, 81406, 81407, 81479x1	
	Intellectual Disability NGS Panel		81404, 81405, 81406, 81407, 81408, 81479x2	
	Hyperammonemia and Urea Cycle Disorder NGS Panel		81404, 81405, 81406, 81479x2	
	Epilepsy NGS Panel			
	Neonatal Epilepsy NGS Panel		81200x1, 81210x1, 81302x1, 81304x1, 81401x4, 81403x4, 81404x14, 81405x28, 81406x31, 81407x4, 81408x4, 81479x2**	**If Fulgent is billing Insurance directly, our policy is to not bill more than two units of 81479 for any test. There are 398 instances of 81479 for Seq & Del/Dup for this test. Please consult with your specific payer or policies regarding 81479.

Gene Dx			https://www.genedx.com/test-catalog/available-tests/mosaic-carrier-test/
Encephalopathy with epilepsy			https://www.google.com/url?q=https://depts.washington.edu/dbpeds/Lab%2520Tests/Genetic%2520Testing_Autism_ID-panel-Info-Sheet(July2018).pdf&sa=U&ved=0ahUKEwjAgI7hnMjfAhUOGKwKHfPuCOUQFggcMAk&client=internal-uds-cse&cx=001967960132951597331:04hcho0_drk&usg=AOvVaw1MMyEQlHcLUvZnpnr
Autism/ID Panel		Test Code: T395 81302x1, 81321x1, 81323x1, 81404x2, 81405x2, 81406x2, 81407x1, 81408x2	https://www.genedx.com/test-catalog/available-tests/autismid-panel/
Childhood-Onset Epilepsy Panel	Test Code: 542	81404x2, 81405x2, 81406x2, 81407x1	https://www.genedx.com/test-catalog/available-tests/childhood-onset-epilepsy-panel-1/
Comprehensive Eepilepsy Panel	Test Code: 523	81403x1, 81404x5, 81405x2, 81406x2, 81407x1	https://www.genedx.com/test-catalog/available-tests/comprehensive-epilepsy-panel/
Epilepsy Deletion/Duplication Panel	Test Code: 953	81304x1, 81403x1, 81405x3, 81406x2	https://www.genedx.com/test-catalog/available-tests/epilepsy-deldup-panel-1/
Infantile Epilepsy Panel	Test Code: 541	81401x1, 81404x2, 81405x2, 81406x2, 81407x1	https://www.genedx.com/test-catalog/available-tests/infantile-epilepsy-panel/

	Mosaic Carrier Test	Test Code: J829	81479x1	https://www.genedx.com/test-catalog/available-tests/mosaic-carrier-test/
Mount Sinai Hospital	https://sema4.com/products/test-catalog/autism-spectrum-disorder-sequencing-panel/		sent email requesting addition of SYNGAP1 to panel testing 12/30/18	http://icahn.mssm.edu/departments-and-institutes/genomics/genetic-testing/test-catalog/molecular-genetics-laboratory/arthrogryposis-mental-retardation-and-seizures
Mayo Medical Laboratories	Targeted Genes and Methodology Details for Epilepsy Genetic Panels			https://www.mayocliniclabs.com/it-mmfiles/Targeted_Genes_and_Methodology_Details_for_Epilespy_Genetic_Panels.pdf
Molecular Genetics Laboratory London Health Sciences Centre Canada	Epilepsy Panel - Comprehensive			http://www.lhsc.on.ca/palm/molecular.html
MNG Medical Neurogenetics	Comprehensive Epilepsy + mtDNA	NGS385	81460, 81465, 81405 x2, 81406 x3, 81407 x1, 81479	http://www.medicalneurogenetics.com/assets/dr/Neurochem%20TestReq.pdf
	Comprehensive Intellectual Disability/Autism + mtDNA	NGS325	81470, 81471, 81302, 81304, 81404, 81405, 81406 x2	https://mnglabs.com/individual-test-page/?q=1221
	Comprehensive Intellectual Disability/Autism + mtDNA + Fragile X Repeat Expansion & Methylation	NGS432	81470, 81243, 81244, 81471, 81302, 81304, 81404, 81405, 81406 x2	https://mnglabs.com/individual-test-page/?q=1222
	Epileptic Encephalopathy	NGS386	81302, 81304, 81406 x2, 81407, 81404	https://mnglabs.com/individual-test-page/?q=1218
	Microcephaly	NGS425	81302, 81304, 81407, 81479	https://mnglabs.com/individual-test-page/?q=1224

	Nonsyndromic Intellectual Disability	NGS349	81479, 81406, 81470	https://mnglabs.com/individual-test-page/?q=1227
Transgenomic, Inc.			no testing info online	http://www.transgenomic.com/labs/neurology/comprehensive-epilepsy-evaulation-ngs-panel
University of Chicago				http://dnatesting.uchicago.edu
	EARLY INFANTILE EPILEPTIC ENCEPHALOPATHY (EIEE) PANEL	1326	81407	https://dnatesting.uchicago.edu/tests/early-infantile-epileptic-encephalopathy-eiee-panel
	NON-SPECIFIC INTELLECTUAL DISABILITY SEQUENCING PANEL	1212	81470	https://dnatesting.uchicago.edu/tests/non-specific-intellectual-disability-sequencing-panel
	EPILEPSY EXOME PANEL (TRIO)	6106	81415, 81416	https://dnatesting.uchicago.edu/tests/epilepsy-exome-panel-trio
	EPILEPSY EXOME PANEL (PROBAND ONLY)	6102	81415	https://dnatesting.uchicago.edu/tests/epilepsy-exome-panel-proband-only
	01 NGS ID_new.pdf		81407, 81470	http://dnatesting.uchicago.edu/sites/default/files/01%20NGS%20ID_new.pdf
	EXONIC DELETION/DUPLICATION ANALYSIS BY ARRAY-CGH (ONE GENE)		Gene specific. Please call us for more information.	https://dnatesting.uchicago.edu/tests/exonic-deletionduplication-analysis-array-cgh-one-gene
	TARGETED MUTATION ANALYSIS (KNOWN FAMILIAL MUTATION)	7102	81403	https://dnatesting.uchicago.edu/tests/targeted-mutation-analysis-known-familial-mutation
	Information Sheet for Early Infantile Epileptic Encephalopathy testing		application/pdf attached to:New Tests! New Requisition Form! New Fax Number!	http://dnatesting.uchicago.edu/sites/default/files/EIEE%20Information%20Sheet%205-8-17.pdf
	SINGLE GENE SEQUENCING ANALYSIS	Contact laboratory	Contact laboratory	https://dnatesting.uchicago.edu/tests/single-gene-sequencing-analysis

UK Genetic Testing Network			https://ukgtn.nhs.uk/find-a-test/search-by-disorder-gene/?token=a247f183f3be268f472d1144ce25bf80c6c6c85e4d63665ff2939e2d3f4d9e23&query=KIAA1983
	Epileptic Encephalopathies, Early Infantile, 36 Gene Panel		Under gene name KIAA1938
University of Washington			http://depts.washington.edu/labweb/Divisions/MolDiag/MolDiagGen/index.htm
	Single Gene Analysis	35474-6	https://testguide.labmed.uw.edu/public/view/SGN
	Epileptic Encephalopathy Panel	see billing weblink	https://testguide.labmed.uw.edu/public/view/EPIPX
University of Nebraska Medical Center		Sent Request to Add	http://www.unmc.edu/mmi/geneticslab/autismpanel.htm
Ambry Genetics	Neurodevelopment-Expanded IDNext EpiRapid reflex EpilepsyNext CustomNext: Neuro AutismNext		http://www.ambrygen.com/clinician/ordering-process
Prevention Genetics United States	Epilepsy and Seizure Plus Sequencing Panel with CNV Detection Comprehensive Epilepsy and Seizure Sequencing Panel with CNV Detection		https://www.ncbi.nlm.nih.gov/gtr/labs/239772/
Division of Genomic Diagnostics The Children's Hospital of Philadelphia	CHOP Epilepsy Panel		http://www.chop.edu/centers-programs/division-genomic-diagnostics
Instituto de Medicina Genomica - Spain	SYNGAP1. Complete sequencing		http://www.imegen.es/cms.php?id=48

Reference Laboratory Genetics	Autosomal Dominant Mental Retardation , Panel Massive Sequencing (NGS) 31 Genes Mental Retardation (Complete Panel) , Panel Massive Sequencing (NGS) 91 Genes Autosomal Dominant Non Syndromic Intellectual Disability Type 5, Sequencing SYNGAP1Gene	https://reference-laboratory.es/
Asper Biogene Asper Biogene LLC Estonia	Epilepsy	http://www.asperbio.com/asper-neurogenetics/epilepsy/NGS-panel
Bioarray Spain	Mental retardation, autosomal dominant 5	
CGC Genetics Portugal	Epileptic encephalopathy (NGS panel for 67 genes) Mental retardation type 5 AD (sequence analysis of SYNGAP1 gene)	
Greenwood Genetic Center Diagnostic Laboratories Greenwood Genetic Center United States	NGS Epilepsy/Seizure Panel	
Genome Diagnostics Laboratory University Medical Center Utrecht Netherlands	Epileptic syndromes with epilepsy and intellectual disability panel Epileptic syndromes with epilepsy and intellectual disability panel Epileptic encephalopathy panel	JK Ploos van Amstel, PhD, Lab Director Phone Number: +31 887553810 Email: j.k.ploosvanamstel@umcutrecht.nl Fax Number: +31 887553801
Center for Human Genetics, Inc United States	Autosomal Nonsyndromic Mental Retardation (SYNGAP1)	http://www.chginc.org/

Breda Genetics ITALY	Mental Retardation 5 (MRD5 – SYNGAP1 gene mutations) List of genes (EXOME 90MB) List of genes (EXOME 60MB)			https://bredagenetics.com/?s=syngap1
Blueprint Genetics				https://blueprintgenetics.com/search/syngap1/
	SYNGAP1 single gene test	S01820		https://blueprintgenetics.com/tests/single-gene-tests/syngap1-single-gene-test-2/
	Epileptic Encephalopathy Panel	NE0401	SEQ 81302 SEQ 81405 SEQ 81406 DEL/DUP 81479	https://blueprintgenetics.com/tests/panels/neurology/epileptic-encephalopathy-panel/
	Comprehensive Epilepsy Panel	NE1001	SEQ 81302 SEQ 81404 SEQ 81405 DEL/DUP 81479	https://blueprintgenetics.com/tests/panels/neurology/comprehensive-epilepsy-panel/
INVITAE				https://www.invitae.com/en/
	Order single gene Invitae Epilepsy Panel	3401		https://www.invitae.com/en/physician/tests/03401/
	Invitae Early Infantile Epileptic Encephalopathy Panel	3402		https://www.invitae.com/en/physician/tests/03402/
Taleghani General Hospital, Araabi St., Yaman Ave.,, Velenjak, Evin Tehran, Iran				http://grc.sbmu.ac.ir/
Claritas Genomics	Autistic behavior1 test Developmental delay1 test Focal segmental glomerulosclerosis2 tests Hereditary disease2 tests Intellectual disability1 test Intellectual functioning disability2 tests Nephrotic range proteinuria2 tests Steroid-resistant nephrotic syndrome			https://atni.com/