

GENETIC TEST:
Epilepsy, seizures (gene panel)

FULL NAME:	Epilepsy, seizures (gene panel)
TEST TYPE:	Clinical
TEST SPECIALTY:	Molecular Genetics
TEST PURPOSE:	Carrier diagnosis, Mutation confirmation, Post-natal Diagnosis, Prenatal diagnosis
SPECIMEN:	Peripheral (whole) blood on EDTA, DNA
METHOD CATEGORY:	Sequence analysis: entire coding region Deletion/duplication analysis
METHOD TECHNIQUE:	Next Generation Sequencing (NGS) Bi-directional Sanger Sequence analysis
RIZIV CODE:	565493-565504
ACCREDITATION (ISO 15189):	2022-10-07 / 2027-10-06

EQA:	• epilepsy disorders
TURNAROUND TIME (MAXIMUM):	2 - 6 months
CREATED:	06 Aug 2019 - 14:50
CHANGED:	22 Jan 2024 - 09:30

Source URL: http://gentest.healthdata.be/genetic_test/413

RELATED CONTENT

Related Diseases

- [Adenylosuccinate lyase deficiency](#)
- [Baraitser-Winter cerebrofrontofacial syndrome](#)
- [Fragile X syndrome](#)
- [Non-specific early-onset epileptic encephalopathy](#)

Related Laboratories

- [Centre de Génétique-Institut de Pathologie et de Génétique \(IPG\)](#)

Related Analytes

- [alanyl-tRNA synthetase 1](#)
- [actin beta](#)
- [adenylosuccinate lyase](#)
- [AKT serine/threonine kinase 3](#)
- [aldehyde dehydrogenase 7 family member A1](#)
- [ALG13 UDP-N-acetylglucosaminyltransferase subunit](#)
- [ankyrin repeat domain containing 11](#)
- [Cdc42 guanine nucleotide exchange factor 9](#)
- [AT-rich interaction domain 1B](#)
- [aristaless related homeobox](#)
- [ASXL transcriptional regulator 3](#)
- [atrophin 1](#)

- ATPase Na⁺/K⁺ transporting subunit alpha 2
- ATPase Na⁺/K⁺ transporting subunit alpha 3
- ATPase copper transporting alpha
- ATRX chromatin remodeler
- ataxin 2
- BRCA1 associated ATM activator 1
- biotinidase
- calcium voltage-gated channel subunit alpha1 A
- calcium voltage-gated channel subunit alpha1 D
- calcium voltage-gated channel subunit alpha1 E
- calcium voltage-gated channel auxiliary subunit alpha2delta 2
- carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase
- calcium/calmodulin dependent protein kinase II alpha
- calcium/calmodulin dependent protein kinase II beta
- calcium/calmodulin dependent serine protein kinase
- cyclin dependent kinase like 5
- ceramide transporter 1
- chromodomain helicase DNA binding protein 2
- cholinergic receptor nicotinic alpha 2 subunit
- cholinergic receptor nicotinic alpha 4 subunit
- cholinergic receptor nicotinic beta 2 subunit
- CLN3 lysosomal/endosomal transmembrane protein, battenin
- CLN5 intracellular trafficking protein
- CLN6 transmembrane ER protein
- clathrin heavy chain
- contactin associated protein 2
- collagen type IV alpha 1 chain
- casein kinase 2 beta
- cystatin B
- cathepsin A
- cathepsin D
- cathepsin F
- cullin 4B

- cytoplasmic FMR1 interacting protein 2
- doublecortin
- dopa decarboxylase
- DEAD-box helicase 3 X-linked
- DEAF1 transcription factor
- DEP domain containing 5, GATOR1 subcomplex subunit
- dehydrodolichyl diphosphate synthase subunit
- DnaJ heat shock protein family (Hsp40) member C5
- dynammin 1
- dedicator of cytokinesis 7
- dynein cytoplasmic 1 heavy chain 1
- dual specificity tyrosine phosphorylation regulated kinase 1A
- eukaryotic translation elongation factor 1 alpha 2
- euchromatic histone lysine methyltransferase 1
- EPM2A glucan phosphatase, laforin
- fibroblast growth factor 12
- filamin A
- fragile X messenger ribonucleoprotein 1
- folate receptor 1
- forkhead box G1
- forkhead box P1
- gamma-aminobutyric acid type B receptor subunit 2
- gamma-aminobutyric acid type A receptor subunit alpha1
- gamma-aminobutyric acid type A receptor subunit alpha2
- gamma-aminobutyric acid type A receptor subunit alpha3
- gamma-aminobutyric acid type A receptor subunit alpha5
- gamma-aminobutyric acid type A receptor subunit beta1
- gamma-aminobutyric acid type A receptor subunit beta2
- gamma-aminobutyric acid type A receptor subunit beta3
- gamma-aminobutyric acid type A receptor subunit delta
- gamma-aminobutyric acid type A receptor subunit gamma2
- glutamate decarboxylase 1
- glutamate decarboxylase 2

- guanidinoacetate N-methyltransferase
- glycine amidinotransferase
- glucosylceramidase beta 1
- glycine decarboxylase
- GLI family zinc finger 3
- G protein subunit alpha o1
- G protein subunit beta 1
- golgi SNAP receptor complex member 2
- glycosylphosphatidylinositol anchor attachment 1
- glutamate ionotropic receptor AMPA type subunit 3
- glutamate ionotropic receptor NMDA type subunit 1
- glutamate ionotropic receptor NMDA type subunit 2A
- glutamate ionotropic receptor NMDA type subunit 2B
- glutamate ionotropic receptor NMDA type subunit 2D
- H3.3 histone A
- H3.3 histone B
- HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
- HIVEP zinc finger 2
- holocarboxylase synthetase
- heterogeneous nuclear ribonucleoprotein U
- HECT, UBA and WWE domain containing E3 ubiquitin protein ligase 1
- IQ motif and Sec7 domain ArfGEF 2
- jumonji domain containing 1C
- KAT8 regulatory NSL complex subunit 1
- potassium voltage-gated channel subfamily A member 1
- potassium voltage-gated channel subfamily A member 2
- potassium voltage-gated channel subfamily B member 1
- potassium voltage-gated channel subfamily C member 1
- potassium voltage-gated channel subfamily H member 1
- potassium inwardly rectifying channel subfamily J member 10
- potassium two pore domain channel subfamily K member 4
- potassium voltage-gated channel subfamily Q member 2
- potassium voltage-gated channel subfamily Q member 3

- potassium sodium-activated channel subfamily T member 1
- potassium sodium-activated channel subfamily T member 2
- potassium channel tetramerization domain containing 7
- lysine demethylase 5C
- lysine demethylase 6A
- kinesin family member 1A
- lysine methyltransferase 2D
- lysine methyltransferase 2E (inactive)
- kaptin, actin binding protein
- leucine rich glioma inactivated 1
- LDL receptor related protein 1
- membrane associated guanylate kinase, WW and PDZ domain containing 2
- methyl-CpG binding domain protein 5
- methyl-CpG binding protein 2
- mediator complex subunit 12
- mediator complex subunit 13L
- myocyte enhancer factor 2C
- major facilitator superfamily domain containing 8
- microtubule associated monooxygenase, calponin and LIM domain containing 1
- midline 1
- molybdenum cofactor synthesis 1
- methylenetetrahydrofolate reductase
- mechanistic target of rapamycin kinase
- NEDD4 like E3 ubiquitin protein ligase
- neuraminidase 1
- neurite extension and migration factor
- neurofibromin 1
- nuclear factor I A
- NHL repeat containing E3 ubiquitin protein ligase 1
- neuroligin 3
- NPR2 like, GATOR1 complex subunit
- NPR3 like, GATOR1 complex subunit
- neurexin 1

- neurotrophic receptor tyrosine kinase 2
- NUS1 dehydrolipichyl diphosphate synthase subunit
- oligophrenin 1
- phosphofurin acidic cluster sorting protein 1
- phosphofurin acidic cluster sorting protein 2
- platelet activating factor acetylhydrolase 1b regulatory subunit 1
- pantothenate kinase 2
- protocadherin 19
- phosphoglycerate dehydrogenase
- phosphatidylinositol glycan anchor biosynthesis class A
- phosphatidylinositol glycan anchor biosynthesis class O
- phosphatidylinositol glycan anchor biosynthesis class Q
- phosphatidylinositol glycan anchor biosynthesis class S
- phosphatidylinositol glycan anchor biosynthesis class T
- phosphatidylinositol glycan anchor biosynthesis class U
- phosphatidylinositol glycan anchor biosynthesis class V
- phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
- phosphoinositide-3-kinase regulatory subunit 2
- phospholipase C beta 1
- pyridoxal phosphate binding protein
- plexin A1
- polynucleotide kinase 3'-phosphatase
- pyridoxamine 5'-phosphate oxidase
- DNA polymerase gamma, catalytic subunit
- protein phosphatase 2 scaffold subunit Aalpha
- protein phosphatase 2 regulatory subunit B'delta
- palmitoyl-protein thioesterase 1
- prickle planar cell polarity protein 1
- proline rich membrane anchor 1
- proline rich transmembrane protein 2
- phosphoserine aminotransferase 1
- phosphatase and tensin homolog
- purine rich element binding protein A

- glutaminyl-tRNA synthetase 1
- reelin
- ring finger protein, LIM domain interacting
- SR-related CTD associated factor 4
- scavenger receptor class B member 2
- sodium voltage-gated channel alpha subunit 1
- sodium voltage-gated channel beta subunit 1
- sodium voltage-gated channel alpha subunit 2
- sodium voltage-gated channel alpha subunit 3
- sodium voltage-gated channel alpha subunit 8
- sodium voltage-gated channel alpha subunit 9
- serpin family I member 1
- SET binding protein 1
- SET domain containing 5
- solute carrier family 12 member 5
- solute carrier family 19 member 3
- solute carrier family 1 member 2
- solute carrier family 25 member 22
- solute carrier family 2 member 1
- solute carrier family 35 member A2
- solute carrier family 6 member 1
- solute carrier family 6 member 11
- solute carrier family 6 member 8
- solute carrier family 9 member A6
- SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
- structural maintenance of chromosomes 1A
- spermine synthase
- synaptosome associated protein 25
- spectrin alpha, non-erythrocytic 1
- ST3 beta-galactoside alpha-2,3-sialyltransferase 3
- syntaxin 1B
- syntaxin binding protein 1
- synapsin I

- synaptic Ras GTPase activating protein 1
- SZT2 subunit of KICSTOR complex
- TBC1 domain family member 24
- TBL1X/Y related 1
- transcription factor 4
- tyrosine kinase non receptor 2
- tripeptidyl peptidase 1
- transient receptor potential cation channel subfamily M member 6
- transformation/transcription domain associated protein
- TSC complex subunit 1
- TSC complex subunit 2
- tubulin alpha 1a
- twinkle mtDNA helicase
- ubiquitin protein ligase E3A
- UDP-glucose pyrophosphorylase 2
- WASP family member 1
- WD repeat domain 45
- WW domain containing oxidoreductase
- zinc finger E-box binding homeobox 2

Related Gene Panels

- Epilepsy, seizures (196 genes) - IPG

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