

Human Leucine Rich Repeat LGI Family, Member 3 (LGI3) ELISA Kit | LGI3 elisa kit

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CATALOG #
AAA137116

REACTIVITY
Human

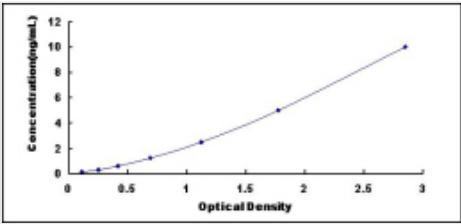
PRODUCT SYNONYMS

Leucine Rich Repeat LGI Family; Member 3 (LGI3); Human Leucine Rich Repeat LGI Family; Member 3 (LGI3) ELISA Kit; LGIL4; LGI1-like protein 4; Leucine-rich glioma-inactivated protein 3; LGI3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Leucine Rich Repeat LGI Family, Member 3 (LGI3). No significant cross-reactivity or interference between Leucine Rich Repeat LGI Family, Member 3 (LGI3) and analogues was observed.
Sequence Length	548
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Leucine Rich Repeat LGI Family, Member 3 (LGI3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leucine Rich Repeat LGI Family, Member 3 (LGI3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGI3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Leucine Rich Repeat LGI Family, Member 3 (LGI3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Leucine Rich Repeat LGI Family, Member 3 (LGI3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Leucine Rich Repeat LGI Family, Member 3 (LGI3), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Leucine Rich Repeat LGI Family, Member 3 (LGI3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LGI3 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	21281681
NCBI GeneID	203190
NCBI Accession #	NP_644807.1
NCBI GenBank Nucleotide #	NM_139278.2
UniProt Accession #	Q8N145; Q86TL4; Q8N296; A5PLP2
Molecular Weight	58,871 Da
NCBI Official Full Name	leucine-rich repeat LGI family member 3
NCBI Official Synonym Full Names	leucine-rich repeat LGI family, member 3
NCBI Official Symbol	LGI3
NCBI Official Synonym Symbols	LGIL4
NCBI Protein Information	leucine-rich repeat LGI family member 3
UniProt Protein Name	Leucine-rich repeat LGI family member 3
UniProt Gene Name	LGI3
UniProt Synonym Gene Names	LGIL4
UniProt Entry Name	LGI3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.