

Recombinant Full Length Human LGI1 Protein, GST tagged

Cat. No. LGI1-02HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LGI1 full-length ORF (AAH22500, 1-557 aa) recombinant protein with GST-tag at N-terminal was expressed in Wheat germ cell free in vitro.
Species	Human
Source	Wheat germ cell free in vitro
ProteinLength	1-557 aa
Description	This gene is rearranged as a result of translocations in glioblastoma cell lines. The protein contains a hydrophobic segment representing a putative transmembrane domain with the amino terminus located outside the cell. It also contains leucine-rich repeats with conserved cysteine-rich flanking sequences. This gene is predominantly expressed in neural tissues and its expression is reduced in low grade brain tumors and significantly reduced or absent in malignant gliomas. Mutations in this gene result in autosomal dominant lateral temporal epilepsy.
Molecular Mass	86.79 kDa
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
AA Sequence	MESERSKRMGNACIPLKRIAYFLCLLSALLLTEGKKPAKPKCPAVCTCTKDNCN ARSIPRTVPPDVISLSFVRSGFTEISEGSFLFTPSLQLLLFTSNSFDVISDDAFIGLPHL EYLFIENNIKSISRHTFRGLKSLIHLSLANNNLQTLPKDIFKGLDSLTVDLRGNSFNC

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DCKLKWLVEWLGHTNATVEDIYCEGPPEYKKRKINSLSKDFDCIITEFAKSQDLPIYQ
 SLSIDTFSYLNDEYVVIQAPFTGKCIFLEWDHVEKTFRNYDNITGTSTVVCKPIVIETQL
 YVIVAQLFGGSHIYKRDSFANKFIKIQDIEILKIRKPNDIETFKIENNWFVADSSKAGF
 TTIYKWNGNGFYSHQSLHAWYRDTDVEYLEIVRTPQTLRTPHLILSSSSQRPVIYQW
 NKATQLFTNQTDIPNMEDVYAVKHFSVKGDVYICLTRFIGDSKVMKWGGSSFQDIQR
 MPSRGSMVFQPLQINNYQYAILGSDYSFTQVYNWDAEKAKFVKFQELNVQAPRSFT
 HVSINKRNFLFASSFKGNTQIYKHVIVDLA

Applications

Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)
 Antibody Production Protein Array

Stability

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[LGI1 leucine rich glioma inactivated 1 \[Homo sapiens \(human\) \]](#)

Official Symbol

[LGI1](#)

Synonyms

LGI1; leucine-rich, glioma inactivated 1; epilepsy, partial, EPT; leucine-rich glioma-inactivated protein 1; EPITEMPIN; ETL1; IB1099; epitempin-1; EPT; ADLTE; ADPAEF

Gene ID

[9211](#)

mRNA Refseq

[NM_005097](#)

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Protein Refseq NP_005088

MIM 604619

UniProt ID O95970

SDS-PAGE



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