



Recombinant Human Leucine-rich glioma-inactivated protein 1 (LGI1)

Product Code	CSB-EP012898HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95970
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<pre>KKPAKP KCPAVCTCTK DNALCENARS IPRTVPPDVI SLSFVRSFGFT EISEGSFLFT PSLQLLLFTS NSFDVISDDA FIGLPHLEYL FIENNNIKSI SRHTFRGLKS LIHLSLANNN LQTLPKDIFK GLDSLTVNDL RGNFNCDCCK LKWLVEWLGH TNATVEDIYC EGPPEYKKRK INSLSSKDFD CIITEFAKSQ DLPYQSLSID TFSYLNDEYV VIAQPFTGKC IFLEWDHVEK TFRNYDNITG TSTVVCKPIV IETQLYVIVA QLFGGSHIYK RDSFANKFIK IQDIEILKIR KPNDIETFKI ENNWFYFVAD SSKAGFTTIY KWNGNGFYSH QSLHAWYRDT DVEYLEIVRT PQLLRTPHLI LSSSSQRPVI YQWNKATQLF TNQTDIPNME DVYAVKHFSV KGDVYICLTR FIGDSKVMKW GGSSFQDIQR MPSRGSVMVFQ PLQINNYQYA ILGSDYSFTQ VYNWDAEKAK FVKFQELNVQ APRSFTHVSI NKRNFLFASS FKGNTQIYKH VIVDLA</pre>
Source	E.coli
Target Names	LGI1
Protein Names	Recommended name: Leucine-rich glioma-inactivated protein 1 Alternative name(s): Epitempin-1
Expression Region	35-557
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.