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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

LGI1 (Human) Recombinant Protein (P01)

Catalog Number: H00009211-P01

Regulation Status: For research use only (RUO)

Product Description: Human LGI1 full-length ORF (AAH22500, 1 a.a. - 557 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MESERSKRMGNACIPLKRIAYFLCLLSALLLLEGKKPA
KPKCPAVCTCTKDNCALCENARSIPRTVPPDVISLSFVR
SGFTEISEGSFLFTPSLQLLLFTSNSFDVISDDAFGLPH
LEYLFIENNNIKSISRHTFRGLKSLIHLNANNLQTLPK
DIFKGLDSLTVNVDLRGNSFNCDCKLKWLVWLGHTNA
TVEDIYCEGPPEYKKRKINSLSKDFDCIITEFAKSQDL
PYQSLSIDTFSYLNDEYVIAQPFTGKCIFLEWDHVEKT
FRNYDNITGTSTVVCKPIVIETQLYVIVAQLFGGSHIYKR
DSFANKFIKIQDIEILKIRKPNDIETFKIENNWFVVDSS
KAGFTTIYKWNGNGFYSHQSLHAWYRDTDVEYLEIVR
TPQTLRTPHLILSSSSQRPVIYQWNKATQLFTNQTDIP
NMEDVYAVKHFSVKGDVYICLTRFIGDSKVMKWGGSS
FQDIQRMPSRGSVMVFQPLQINNYQYAILGSDYSFTQV
YNWDAEKAKFVKFQELNVQAPRSFTHVSINKRNFLFA
SSFKGNTQIYKHVIVDLA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 86.79

Interspecies Antigen Sequence: Mouse (96); Rat (96)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9211

Gene Symbol: LGI1

Gene Alias: EPITEMPIN, EPT, ETL1, IB1099

Gene Summary: 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. [provided by RefSeq]

References:

1. LGI1 antibodies alter Kv1.1 and AMPA receptors changing synaptic excitability, plasticity and memory. Petit-Pedrol M, Sell J, Planaguma J, Mannara F, Radosevic M, Haselmann H, Ceanga M, Sabater L, Spatola M, Soto D, Gasull X, Dalmau J, Geis C. Brain. 2018 Nov 1;141(11):3144-3159.