



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## 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:**

MESERSKRMGNACIPLKRIAYFLCLLSALLLTEGKKPA  
KPKCPAVCTCTKDNALCENARSIPRTVPPDVISLSFVR  
SGFTEISEGSFLFTPSLQLLLFTSNSFDVISDDAFIPLH  
LEYLFIENNNIKSISRHTFRGLKSLIHLNANNLQTLPK  
DIFKGLDSLTVNVDLRGNSFNCDCKLKWVLEWLGHNTA  
TVEDIYCEGPPEYKRRKINSLSKDFDCIITEFAKSQDL  
PYQSLSIDTFSYLNDEYVIAQPFTGKCIFLEWDHVEKT  
FRNYDNITGTSTVVCKPIVIETQLYVIVAQLFGGSHIYKR  
DSFANKFIQDIEILKIRKPNDIETFKIENNWFVVDSS  
KAGFTTIYKWNGNGFYSHQSLHAWYRDTDVEYLEIVR  
TPQTLRTPHLILSSSSQRPVIYQWNKATQLFTNQTDIP  
NMEDVYAVKHFSVKGDVYICLTRFIGDSKVMKWGGSS  
FQDIQRMPSRGSMVFQPLQINNYQYAILGSDYSFTQV  
YNWDAEKAKFVKFQELNVQAPRSFTHVSINKRNFLFA  
SSFKGNTQIYKHVIVDLSA

**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.