

Recombinant Mouse LGI1 Protein, His tagged

Cat. No. LGI1-9069ME **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LGI1 Protein with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Involved in neurotransmitter receptor localization to postsynaptic specialization membrane. Located in extracellular space and glutamatergic synapse. Is active in synaptic cleft. Is expressed in several structures, including central nervous system; diaphragm; sensory organ; and skeletal musculature. Used to study familial temporal lobe epilepsy 1. Human ortholog(s) of this gene implicated in familial temporal lobe epilepsy 1. Orthologous to human LGI1 (leucine rich glioma inactivated 1).
Molecular Mass	The protein has a calculated MW of 61 kDa.
AA Sequence	MKKPAKPKCPAVCTCSKDNCENARSIPRTVPPDVISLSFVRSGFTEISEGSFLFTP SLQLLLFTSNSFDVISDDAFIGLPHLEYLFIENNNIKSISRHTFRGLKSLIHLSLANNNLQ TLPKDIFKGLDSL TNVDLRGNAFNCDCKLKWLVEWLGHTNATVEDIYCEGPPEYKKR KINSLSPKDFDCIITEFAKSQDLPYQSLSDTFSYLNDEYVIAQPFTGKCIFLEWDHVE KTFRNYDNITGTSTVVCKPIVIDTQLYVIVAQLFGGSHIYKRDGFANKFIQDIEVLKIR KPNDIETFKIEDNWYFVVADSSKAGFTTIYKWNGNGFYSHQSLHAWYRDTDVEYLEI ARPPLALRTPHLILSSSSQRPVIYQWSKATQLFTNQTDIPNMEDVYAVKHFSVKGDV YICLTRFIGDSKVMKWGGSSFQDIQRMPSRGSMVFQPLQINNYQYAILGSDYSFTQV YNWDAEKAKFVKFQELNVQAPRSFTHVSINKRNFLFASSFKGNTQIYKHVIVDLSAH

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Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.11 mg/mL by BCA
Storage Buffer	Sterile 50 mM Tris, 200 mM NaCl, 0.05% SKL, pH8.5

GENE INFORMATION

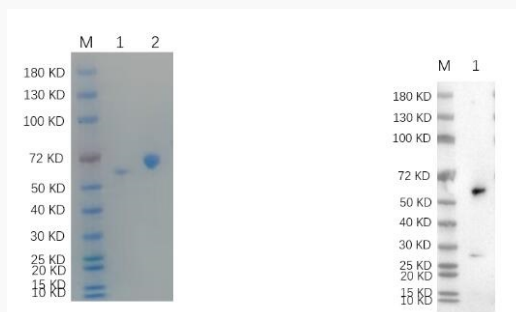
Gene Name	Lgi1 leucine-rich repeat LGI family, member 1 [Mus musculus (house mouse)]
Official Symbol	Lgi1
Synonyms	LGI1; leucine-rich repeat LGI family, member 1; leucine-rich glioma-inactivated protein 1; leucine-rich, glioma inactivated 1; BB130740;
Gene ID	56839
mRNA Refseq	NM_020278
Protein Refseq	NP_064674
UniProt ID	Q9JIA1

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**Reducing 12% SDS-
PAGE (CBB stained)
and WB (Anti-His
Mouse Monoclonal
Antibody) analysis
profiles of purified
LGI1-9069ME**



1. LGI1-9069ME
2. BSA

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