

Recombinant Rat DLG3 Protein (1-849 aa), GST-tagged

Cat. No. DLG3-1031R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DLG3 Protein (1-849 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length.
Species	Rat
Source	E.coli
ProteinLength	1-849 aa
Description	Required for learning most likely through its role in synaptic plasticity following NMDA receptor signaling.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	120.5 kDa
AA Sequence	MHKHQHCCKCPECYEVTRLAALRRLEPPGYGDWQVPDPYGPSSGGNGASSGYGGY SSQTLPSQAGATPTPRTKAKLIPTGRDVGVPVPPKVPVGKNTPKLNGSGPSWWPECT CTNRDWYEQASPAPLLVNPEALEPSLSVNGSDGMFKYEEIVLERGNSGLGFSIAGGI DNPHVPDDPGIFITKIIPGGAAAMDGRLGVNDCVLRVNEVDVSEVVHSRAVEALKEA GPVRLVVRRRQPPPETIMEVNLLKGPGLGFSIAGGIGNQHIPGDNSIYITKIIEGGA AQKDGRLLQIGDRLLAVNNTNLQDVRHEEAVASLKNNTSDMVYLKVAKPGSLHLNDMY APPDYASTFTALADNHISHNSSLGYLGAVESKVTPAPPQVPPTRYSPIPRHMLAEE DFTREPRKIILHKGSTGLGFNIVGGEDGEGIFVSFILAGGPADLSGELRRGDRLSVNG

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VNLRNATHEQAAAALKRAGQSVTIVAQYRPEEYSRFESKIHDLREQMMNSSMSSGS
 GSLRTSEKRSLYVRALFDYDRTRDSCCLPSQGLSFSYGDILHVINASDDEWWQARLV
 TPHGESEQIGVIPSKKRVEKKERARLKTVMKFHARTGMIESNRDFPGLSDDYYGAKNL
 KGVTSNTSDSESSSKGQEDAILSYPEVTRQEIHYPVILGPMKDRVNDLISEFPH
 KFGSCVPHTTRPRRDNEVDGQDYHFVVSREQMEKDIQDNKFIEAGQFNDNLYGTSI
 QSVRAVAERGKHCILDVSGNAIKRLQQAQLYPIAIFIKPKSIEALMEMNRRQTYEQAN
 KIFDKAMKLEQEFGEYFTAIVQGDSLEEIYNKIKQIIEDQSGHYIWVPSPEKL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Dlg3 discs, large homolog 3 \(Drosophila\) \[Rattus norvegicus \]](#)

Official Symbol [DLG3](#)

Synonyms DLG3; SAP102; SAP-102; Dlgh3;

Gene ID [58948](#)

mRNA Refseq [NM_031639](#)

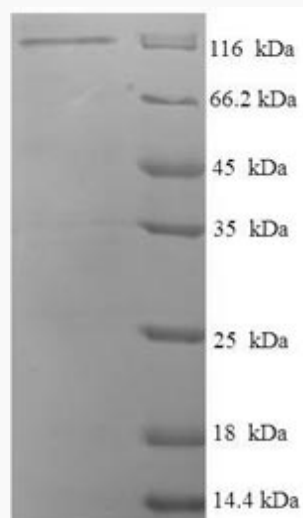
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Protein Refseq NP_113827

UniProt ID Q62936



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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