

Recombinant Full Length Human DLG4 Protein, GST-tagged

Cat. No. DLG4-727HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DLG4(1 a.a. - 767 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	767 amino acids
Description	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	111.8 kDa
AA Sequence	MSQRPRAPRS ALWLLAPLL RWAPLLTVL HSDLFQALLD ILDY YEASLS ESQKYRYQDE DTPPLEHSPA HLPNQANSPP VIVNTDTLEA PGYELQVNGT EGEMEYEEIT LERGNSGLGF SIAGGTDNPH IGDDPSIFIT KIIPGGAAQ DGRLRVNDSI LFNVEDVRE VTHSAAVEAL KEAGSIVRLY VMRRKPPAEK VMEIKLIKGP KGLGFSIAGG VGNQHIPGDN SIYVTKIIEG GAAHKDGR LQ

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IGDKILAVNS VGLEDVMHED AVAALKNTYD VVYLKVAKPS NAYLSDSYAP
 PDITTSYSQH LDNEISHSSY LGTDYPTAMT PTSPRRYSPV AKDLLGEEDI
 PREPRRIVIH RGSTGLGFNI VGGEDGEGIF ISFILAGGPA DLSGELRKGD
 QILSVNGVDL RNASHEQAAI ALKNAGQTVT IIAQYKPEEY SRFEAKIHDL
 REQLMNSSLG SGTASLR SNP KRGFYIRALF DYDKTKDCGF LSQALSFRFG
 DVLHVIDASD EEWWQARRVH SDSETDDIGF IPSKRRVERR EWSRLKAKDW
 GSSSGSQGRE DSVLSYETVT QMEVHYARPI IILGPTKDRA NDDLSEFPD
 KFGSCVPHTT RPKREYEIDG RYHFVSSRE KMEKDIQAHK FIEAGQYNH
 LYGTSVQSVR EVAEQGKHCI LDVSANAVRR LQAAHLHPA IFIRPRLEN
 VLEINKRITE EQARKAFDRA TKLEQEFTEC FSAIVEGDSF EEIYHKVKRV
 IEDLSGPYIW VPARERL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

DLG4 discs, large homolog 4 (Drosophila) [Homo sapiens]

Official Symbol

DLG4

Synonyms

DLG4; discs, large homolog 4 (Drosophila); disks large homolog 4; PSD 95; PSD95;
 SAP 90; SAP90; discs large homolog 4; Tax interaction protein 15; synapse-
 associated protein 90; postsynaptic density protein 95; post-synaptic density protein
 95; SAP-90; FLJ97752; FLJ98574

Gene ID

1742

mRNA Refseq

NM_001365

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Protein Refseq	NP_001356
MIM	602887
UniProt ID	P78352

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