

Recombinant Human DLG4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DLG4-902H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DLG4 MS Standard C13 and N15-labeled recombinant protein (NP_001356) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	85.2 kDa
AA Sequence	MSQRPRAPRSALWLLAPPLLRWAPPLLTVLHSDLFQALLDILDYYEASLSSESQKYRY QDEDTPPLEHSPAHLPNQANSPPVIVNTDTLEAPGYELQVNGTEGEMEYEEITLERG NSGLGFSIAGGTDNPHIGDDPSIFITKIIPGGAAAQDGRLRVNDSILFVNEVDVREVTH SAAVEALKEAGSIVRLYVMRRKPPAEKVMEIKLIKGPGLGFSIAGGVGNQHIPGDNS IYVTKIIEGGAHKDGRLQIGDKILAVNSVGLEDVMHEDAVAALKNTYDVVYLKVAKP SNAYLSDSYAPPDITTSYSQHLNEISHSSYLGTDYPTAMTPTSPRRYSPVAKDLLG EEDIPREPRRIVHRGSTGLGFNIVGGEDGEGIFISFILAGGPADLSGELRKGDQILSV

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NGVDLRNASHEQAAIALKNAGQTVTIIAQYKPEEYSRFEAKIHDLREQLMNSSLGSGT
 ASLRSNPKRGFYIRALFDYDKTKDCGFLSQALSFRFGDVLHVIDASDEEWWQARRV
 HSDSETDDIGFIPSKRRVERREWSRLKAKDWGSSSSGSQGREDSVLSYETVTQMEV
 HYARPIILGPTKDRANDDLLSEFPDKFGSCVPHTTRPKREYEIDGRDYHFVSSREKM
 EKDIQAHKFIEAGQYNShLYGTSVQSVREVAEQGKHCILDV SANAVRRLQAAHLHPI
 AIFIRPRSLENVLEINKRITEEQARKAFDRATKLEQEFTECFSAIVEGDSFEEIYHKVKR
 VIEDLSGPYIWVPARERLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **DLG4 discs large MAGUK scaffold protein 4 [Homo sapiens (human)]**

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**

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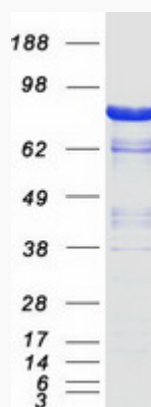
mRNA Refseq [NM_001365](#)

Protein Refseq [NP_001356](#)

MIM [602887](#)

UniProt ID [P78352](#)

SDS-PAGE



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