Recombinant Human DLG4 protein, His-tagged

Cat. No. DLG4-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Disks large homolog 4/DLG4/PSD95 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Leu724) of Human DLG4 fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-724 a.a.
Form	Lyophilized from a 0.2 μm filtered solution of PBS,pH 7.4
AA Sequence	MNHKVHHHHHHMDCLCIVTTKKYRYQDEDTPPLEHSPAHLPNQANSPPVIVNTDTL EAPGYELQV NGTEGEMEYEEITLERGNSGLGFSIAGGTDNPHIGDDPSIFITKIIPGG AAAQDGRLRVNDSILF VNEVDVREVTHSAAVEALKEAGSIVRLYVMRRKPPAEKVM EIKLIKGPKGLGFSIAGGVGNQHIP GDNSIYVTKIIEGGAAHKDGRLQIGDKILAVNSV GLEDVMHEDAVAALKNTYDVVYLKVAKPSNA YLSDSYAPPDITTSYSQHLDNEISHS SYLGTDYPTAMTPTSPRRYSPVAKDLLGEEDIPREPRRI VIHRGSTGLGFNIVGGED GEGIFISFILAGGPADLSGELRKGDQILSVNGVDLRNASHEQAAIAL KNAGQTVTIIAQ YKPEEYSRFEAKIHDLREQLMNSSLGSGTASLRSNPKRGFYIRALFDYDKTKD CGFL SQALSFRFGDVLHVIDAGDEEWWQARRVHSDSETDDIGFIPSKRRVERREWSRLKA KDWGS SSGSQGREDSVLSYETVTQMEVHYARPIIILGPTKDRANDDLLSEFPDKFG SCVPHTTRPKREYE IDGRDYHFVSSREKMEKDIQAHKFIEAGQYNSHLYGTSVQSV REVAEQGKHCILDVSANAVRRLQ AAHLHPIAIFIRPRSLENVLEINKRITEEQARKAFD

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	RATKLEQEFTECFSAIVEGDSFEEIYHKV KRVIEDLSGPYIWVPARERL
Endotoxin	Less than 0.1 ng/ɡ (1 IEU/ɡ).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in 1X PBS.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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
Chromosome Location	17p13.1
Pathway	Activation of Ca-permeable Kainate Receptor, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Axon guidance, organism-specific biosystem; CREB phosphorylation through the activation of CaMKII, organism-specific biosystem; CREB phosphorylation through the activation of Ras, organism-specific biosystem; Cocaine addiction, organism-specific biosystem;
Function	protein C-terminus binding; protein binding; scaffold protein binding;

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