Recombinant Human DLG4 protein, MYC/DDK-tagged

Cat. No. DLG4-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DLG4, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	85.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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

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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
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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