

Recombinant Mouse Dlg2 Protein, Myc/DDK-tagged

Cat. No. Dlg2-2575M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length discs large MAGUK scaffold protein 2 (Dlg2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses.
Molecular Mass	94.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Dlg2 discs large MAGUK scaffold protein 2 [Mus musculus (house mouse)]
Official Symbol	Dlg2
Synonyms	DLG2; discs, large homolog 2 (Drosophila); disks large homolog 2; chapsyn-110; postsynaptic density protein PSD-93; channel-associated protein of synapse-110; Dlgh2; PSD93; Gm1197; A330103J02Rik; B230218P12Rik; B330007M19Rik
Gene ID	23859
mRNA Refseq	NM_011807
Protein Refseq	NP_035937
UniProt ID	Q91XM9

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