

Recombinant Mouse Nptn Protein, Myc/DDK-tagged

Cat. No. Nptn-4479M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length neuroplastin (Nptn), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Probable homophilic and heterophilic cell adhesion molecule involved in long term potentiation at hippocampal excitatory synapses through activation of p38MAPK. May also regulate neurite outgrowth by activating the FGFR1 signaling pathway. May play a role in synaptic plasticity.
Molecular Mass	31.3 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	Nptn neuroplastin [Mus musculus (house mouse)]
Official Symbol	Nptn
Synonyms	NPTN; neuroplastin; SDR-1; stromal cell-derived receptor 1; stromal cell derived factor receptor 1; Sdfr1; AW554172
Gene ID	20320
mRNA Refseq	NM_009145
Protein Refseq	NP_033171
UniProt ID	P97300

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