

Product datasheet for TP516749

Nptn (NM_009145) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse neuroplastin (Nptn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216749 representing NM_009145 Red=Cloning site Green=Tags(s)

MSGSSLPGALALSLLLVSGLLPGPAAQNEPRIVTSEEVIRESLLPVTLQCNLTSSHTLMYSWTRN
GVELTATRKNASNMEYRINKPRAEDSGEYHCYVHFVSAPKANATIEVKAAPDITGHKRSENKNEGQDAMM
YCKSVGYPHPEWIWRKKENGVFEEISNSSGRFFITNKENYELSIIVNLQITEDPGEYECNATNSIGSASV
STVLRVRSHLAPLWPFLGILAEIIILVVIIVVEYKRKRKPDEVPDDDEPAGPMKTNSTNNHKDKNLRQRNT
N

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	31.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033171
Locus ID:	20320
UniProt ID:	P97300



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RefSeq Size: 2077

Cytogenetics: 9 B

RefSeq ORF: 843

Synonyms: AW554172; Sdfr1; SDR-1

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]