

Product datasheet for TP526624

Nlgn1 (NM_138666) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse neuroligin 1 (Nlgn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR226624 representing NM_138666
Red=Cloning site Green=Tags(s)

MALPRCMWPNYVWRAMMACVHRGSGAPLTLCLLGLLQTFHVLSQKLDVDPVLTTFNFGKIRGIKELN
NEILGPVIQFLGVPYAAPPTGEHRFQPPEPPSPWSDIRNATQFAPVCPQNIIDGRLPEVMLPVWFTNNLD
VVSSYVQDQSEDCLYLNIVPTEDGPLTKKHTDDLGDNDGAEDDIRDSGGPKPVMVYIHGGSYMEGTGN
LYDGSVLASYGNVIVITVNYRLGVLGFLSTGDQAAKGNYGLLDLIQALRWTSENIGFFGGDPLRITVFGS
GAGGSCVNLLTSHYSEGNRWSNSTKGLFQRAIAQSGTALSSWAVSFQPAKYARILATKVGCVNSDVEL
VECLQKKPYKELVDQDVQPARYHIAFGPVIDGDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVENIV
DSDDGVSASDFDFAVSNFVDNLYGYPEGKDVLRITIKFMYTDWADRHNHPETRRKTLALFTDHQWVAPAV
ATADLHSNFGSPTYFYAFYHHCQTDQVPAWADAAHGDEVVYVGLGIPMIGPTELFPCNFSKNDVMLSAVVM
TYWTNFAKTGDPNQVPVQDTKFIHTKPNRFEVAVWTRYSQKDQLYLHIGLKPRVKEHYRANKVNLWLELV
PHLHNLNDISQYTTTTPSTDTLTPTRKSTPVTSAFPTAKQDDPKQKQSPFSDQRDYSTEIVSVTI
AVGASLLFLNIFAALYKDKRRHVDVHRRCSQRTTTNDLTHAPEEEIMSLQMKHTDLDEHESIHHPH
EVLRTACPPDYTLAMRRSPDDIPLMTPNTITMIPNTIPGIQPLHTFNTFTGGQNNTLPHPHPHPHSHST
TRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 94.6 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.



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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_619607
Locus ID:	192167
UniProt ID:	Q99K10
RefSeq Size:	5630
Cytogenetics:	3 A3
RefSeq ORF:	2529
Synonyms:	6330415N05Rik; BB179718; mKIAA1070; NL1; Nlg1
Summary:	Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. May be involved in specification of excitatory synapses. Required to maintain wakefulness quality and normal synchrony of cerebral cortex activity during wakefulness and sleep (PubMed:23716671).[UniProtKB/Swiss-Prot Function]