

Product datasheet for TP522602

Dlg2 (NM_011807) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse discs large MAGUK scaffold protein 2 (Dlg2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222602 representing NM_011807 Red=Cloning site Green=Tags(s)

MFFACYCALRTNVKKYRYQDEDGPHDHSLPRLTHEVRGPELVHVSEKNLSQIENVHGYVLQSHISPLKAS
PAPIIVNTDLDLTIYPVNGTEIEYEFEEITLERGNSGLGFSIAGGTDNPHIGDDPGIFITKIIPGGAAAE
DGRLRVNDCILRVNEVDVSEVSHSKAVEALKEAGSIVRLYVRRRRPILETVWEIKLFKGPKGLGFSIAGG
VGNQHIPGDNSIYVTKIIDGGAAQKDGRLQVGDRLLMVNNYSLEEVTHEEAVAILKNTSDWYLVKVGKPT
TIYMTDPYGPDPDITHSYSPPMENHLLSGNNGTLEYKTSPPISPGRYSPIKHMLGEDDYTRPPEPVYST
VNKLCDKPASPRHYSPECDKSFLLSTPYPHYHLGLLPDSDMTSHSQHSTATRQPSVTLQRAISLEGEPR
KVLVHKGSTGLGFNIVGGEDGEGIFVSFILAGGPADLSGELQQRGDQILSVNGIDLRGASHEQAAAAALKGA
GQTVTIIAQYQPEDYARFEAKIHDLREQMMNHSMSGSGSLRTNQKRSLYVRAMFDYDKSKDGLPSQGL
SFKYGDILHVINASDDEWWQARRVTLGDSEEMGVIPSKRRVERKERARLTKVFNAPGVIDSKGDIPG
LGDDGYGKTLRGQEDLILSYEPVTRQEINYTRPVIIIGPMKDRINDDLISEFPDKFGSCVPHTTRPKRD
YEVDGRDYHFVISREQMEKDIQEHKFIEAGQYNDNLYGTSVQSVRFAERGGKHCILDVSGNAIKRLQVAQ
LYPIAIFIKPKSLEPLMEMNKRLTEEQAKKTYDRAIKLEQEFGEYFTAIVQGDLTLEDIYNQCKLVIEEQS
GPFWIWPSKEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	94.9 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_035937
Locus ID:	23859
UniProt ID:	Q91XM9
RefSeq Size:	7409
Cytogenetics:	7 51.07 cM
RefSeq ORF:	2556
Synonyms:	A330103J02Rik; B230218P12Rik; B330007M19Rik; Dlgh2; Gm1197; Gm21505; PSD93
Summary:	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.[UniProtKB/Swiss-Prot Function]