

## Product datasheet for TP510275

### Dlg4 (NM\_001109752) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse discs large MAGUK scaffold protein 4 (Dlg4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210275 representing NM_001109752 Red=Cloning site Green=Tags(s)

MDCLCIVTTKKYRYQDEDTPPLEHSPAHLPNQANSPPVIVNTDTLEAPGYVNGTEGEMEYEEITLERGNS  
GLGFSIAGGTDNPHIGDDPSIFITKIIPGGAAAQDGRLRVNDSILFVNEVDVREVTHSAAVEALKEAGSI  
VRLVVMRRKPPAEKIIIEIKLIKGPKGLGFSIAGGVGNQHIPGDNSIYVTKIEGGAHKDGRLLQIGDKIL  
AVNSVGLIEDVMHEDAVAALKNTYDVVYLKVAKPSNAYLSDSYAPPDITTSYSQHLDNEISHSSYLGTDYP  
TAMTPTSPRRYSPVAKDLLGEEDIPREPRRIVHRGSTGLGFNIVGGEDGEGIFISFILAGGPADLSGEL  
RKGQILSVNGVDLRNASHEQAALKNAGQVTIIAQYKPEEYSRFEAKIHDLREQLMNSSLGSGTASL  
RSNPKRGFYIRALFDYDKTKDCGFLSQALSFHFGDVLHVIDASDEEWWQARRVHSDSETDDIGFIPSKRR  
VERREWSRLKAKDWGSSSGSQGREDSVLSYETVTQMEVHYARPIIILGPTKDRANDDLLSEFPDKFGSCV  
PHTRPKREYEIDGRDYHFVSSREKMEKDIQAHKFIAGQYNHLYGTSVQSVREVAEQGKHCILDVSAN  
AVRRLQAAHLHPAIFIRPRSLNVLEINKRITEEQARKAFDRATKLEQEFTECFSAIVEGDSFEEIYHK  
VKRVIEDLSGPYIWVPARERL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	80.6 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.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001103222</a>
<b>Locus ID:</b>	13385
<b>UniProt ID:</b>	<a href="#">Q62108</a>
<b>RefSeq Size:</b>	3330
<b>Cytogenetics:</b>	11 B3
<b>RefSeq ORF:</b>	2163
<b>Synonyms:</b>	Dlgh4; PSD-95; PSD95; SAP90; SAP90A
<b>Summary:</b>	Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons. May reduce the amplitude of ASIC3 acid-evoked currents by retaining the channel intracellularly. May regulate the intracellular trafficking of ADR1B. Also regulates AMPA-type glutamate receptor (AMPA) immobilization at postsynaptic density keeping the channels in an activated state in the presence of glutamate and preventing synaptic depression (Probable).[UniProtKB/Swiss-Prot Function]