

Product datasheet for **TP315178M**

PSD95 (DLG4) (NM_001365) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human discs, large homolog 4 (Drosophila) (DLG4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215178 representing NM_001365 Red =Cloning site Green =Tags(s)

MSQRPRAPRSALWLLAPLLRWAPLLTVLHSDLFQALLDILDYEEASLSESQKYRYQDEDTPPLEHSPA
HLPNQANSPPVIVNTDTLEAPGYELQVNGTEGEMEYEEITLERNGLGFSIAGGTDNPHIGDDPSIFIT
KIIPGGAAAQDGRLRVNDSILFVNEVDVREVTHSAAVEALKEAGSIVRLYVMRRKPPAEKVMEIKLIGP
KGLGFSIAGGVGNQHIPGDNSIYVTKIIEGGAHKDGRQLIGDKILAVNSVGLVEDVMHEDAVAALKNTYD
VWYLVKAKPSNAYLSDSYAPPDITTSYSQHLNEISHSSYLGTDYPTAMTPTSPRRYSPVAKDLLGEEDI
PREPRRIVHRGSTGLGFNIVGGEDGEGIFISFILAGGPADLSGELRKGDKILSVNGVDLRNASHEQAAI
ALKNAGQVTIIAQYKPEEYSRFEAKIHDREQLMNSSLGSGTASLRSNPKRGFYRALFDYDKTKDCGF
LSQALSFRFGDVLHVIDASDEEWWQARRVHSDSETDDIGFIPSKRRVERREWSRLKAKDWGSSSSGSQGRE
DSVLSYETVTQMEVHYARPIIILGPTKDRANDDLLSEFPDKFGSCVPHTTRPKREYEIDGRDYHFVSSRE
KMEKDIQAHKFEAGQYNHLYGTSVQSVREVAEQGKHCILDVSNANVRLQAAHLHPIAIFIRPRSLN
VLEINKRITEEQARKAFDRATKLEQEFTECFSAIVEGDSFEEIYHKVKRVIEDLSGPYIWWPARERL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

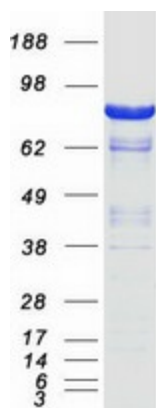
Tag:	C-Myc/DDK
Predicted MW:	85.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_001356
Locus ID:	1742
UniProt ID:	P78352 , B9EGL1 , B7Z647
RefSeq Size:	3995
Cytogenetics:	17p13.1
RefSeq ORF:	2301
Synonyms:	MRD62; PSD95; SAP-90; SAP90
Summary:	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Huntington's disease

Product images:



Coomassie blue staining of purified DLG4 protein (Cat# [TP315178]). The protein was produced from HEK293T cells transfected with DLG4 cDNA clone (Cat# [RC215178]) using MegaTran 2.0 (Cat# [TT210002]).