

Product datasheet for PH315178

PSD95 (DLG4) (NM_001365) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DLG4 MS Standard C13 and N15-labeled recombinant protein (NP_001356)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215178
Predicted MW:	85.2 kDa
Protein Sequence:	>RC215178 representing NM_001365 Red=Cloning site Green=Tags(s)
	MSQRPRAPRSALWLLAPLLRWAPLLTVLHSDLFQALLDILDYYEASLSESQKYRYQDETPPLEHSPA HLPNQANSPPVIVNTDTLEAPGYELQVNGTEGEMEYEEITLERNGLGFSIAGGTDNPHIGDDPSIFIT KIIPGGAAAQDGRLRVNDSILFVNEVDVREVTHSAAVEALKEAGSIVRLYVMRRKPPAEKVMKIKGP KGLGFSIAGGVGNQHIPGDNSIYVTKIIEGGAHKDGRLQIGDKILAVNSVGLVDMHEDAVAALKNTYD VVYLKVAKPSNAYLSDSYAPPDITTSYSQHLNEISHSSYLGTDYPTAMTPTSPRRYSPVAKDLLGEEDI PREPRRIVIHGSGTGLGFNIVGGEDGEGIFISFILAGGPADLSEGLRKGQILSVNGVDLRNASHEQAAI ALKNAGQVTIIAQYKPEEYSRFEAKIHDLREQLMNSSLGSATSLRSNPKRGFYIRALFDYDKTKDCGF LSQALSFRFGDVLHVIDASDEEWWQARRVHSDSETDDIGFIPSKRRVERREWSRLKAKDWGSSSGSQGRE DSVLSYETVTQMEVHYARPIIILGPTKDRANDLLSEFPDKFGSCVPHTTRPKREYIDGRDYHFVSSRE KMEKDIQAHKFI EAGQYNHLYGTSVQSVREVAEQGKHCILDVSANAVRRLQAAHLPIAIFIRPRLEN VLEINKRITEEQARKAFDRATKLEQEFTECFSAIVEGDSFEEIYHKVKRVIEDLSGPYIWWPARERL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001356



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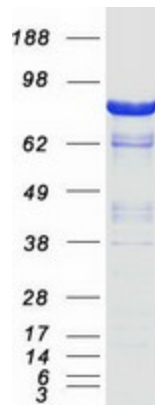
RefSeq Size:	3995
RefSeq ORF:	2301
Synonyms:	MRD62; PSD95; SAP-90; SAP90
Locus ID:	1742
UniProt ID:	P78352 , B9EGL1 , B7Z647
Cytogenetics:	17p13.1

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]).