

Product datasheet for PH321038

DLGAP4 (NM_001042486) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DLGAP4 MS Standard C13 and N15-labeled recombinant protein (NP_001035951)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221038
Predicted MW:	31.5 kDa
Protein Sequence:	>RC221038 representing NM_001042486 Red=Cloning site Green=Tags(s)
	MSSRRDTSQDANDSSCKSSERSLPDCTPHPNISISIDAGPRQAPKIAQIKRNL SYGDNSDPALEASSL PPDPWLETSSSSPAEPAQPGACRRDGYWFLKLLQAETERLEGWCCQMDKETKENNLSEEVLGKVL SAVG SAQLLMSQKFQQFRGLCEQNLNPDANPRPTAQDLAGFDLLQLSIEDISMKFDEL YHLKANSWQLVETPE KRKEEKPPPPVPPKPAKSKPAVSRDKASDASDKQRQEARKRLLAAKRAASVRQNSATESADSIEIYVPE AQTRL
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_001035951</u>
RefSeq Size:	2982
RefSeq ORF:	855
Synonyms:	DAP-4; DAP4; DLP4; SAPAP-4; SAPAP4
Locus ID:	22839



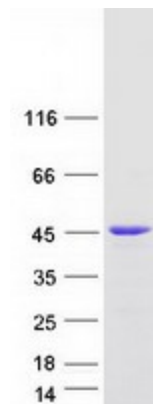
[View online »](#)

UniProt ID: [Q9Y2H0](#), [A0A0B4J2C2](#)

Cytogenetics: 20q11.23

Summary: The product of this gene is a membrane-associated guanylate kinase found at the postsynaptic density in neuronal cells. It is a signaling molecule that can interact with potassium channels and receptors, as well as other signaling molecules. The protein encoded by this gene can interact with PSD-95 through its guanylate kinase domain and may be involved in clustering PSD-95 in the postsynaptic density region. The encoded protein is one of at least four similar proteins that have been found. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified DLGAP4 protein (Cat# [TP321038]). The protein was produced from HEK293T cells transfected with DLGAP4 cDNA clone (Cat# [RC221038]) using MegaTran 2.0 (Cat# [TT210002]).