

Product datasheet for PH301001

Plakophilin 3 (PKP3) (NM_007183) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PKP3 MS Standard C13 and N15-labeled recombinant protein (NP_009114)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201001
Predicted MW:	86.9 kDa
Protein Sequence:	>RC201001 representing NM_007183 Red=Cloning site Green=Tags(s)
	<p>MQDGNFLLSALQPEAGVCSLALPSDLQLDRRGAEGPEAERLRAARVQEQVRARLLQLGQQPRHNGAAEPE PEAETARGTSRGQYHTLQAGFSSRSQGLSGDKTSGFRPIAKPAYSPASWSRSRAVDLSCSRRLSSAHNGG SAFGAAGYGGAQPTPPMPTRPVSFHERGGVGSRADYDTLSLRSLRLLGPGGLDDRYSLVSEQLPAATSTY RAFAYERQASSSSSRAGGLDWPEATEVSPSRTIRAPAVRTLQRFQSSHRSRGVGGAVPGAVLEPVARAPS VRSLSLSLADSGHLPDVHGFNSYGSVRTLQRLSSGFDDIDLPSAVKYLMA SDPNLQVLGAAYIQHKCYSD AAAKQARSLQAVPRLVKLFNHANQEVQRHATGAMRNLIDYDNADNKLALVEENGFELLRTLREQDDEL KNVTGILWNLSSDHLKDRLDRTLEQLTDLVLSPLSGAGGPPLIQQNASEAEIFYNATGFLRNLSSASQ ATRQKMRECHGLVDALVTSINHALDAGKCEDKSVENAVCVLRNLSYRLYDEMPPSALQRLEGRGRRDLA APPGEVVGCFTPQSRRLRELPLAADALTFAEVSKDPKGLEWLWSPQIVGLYNRLLQRCELNRHTTEAAAG ALQONITAGDRRWAGVLSRLALEQERILNPLLDRVRTADHHQLRSLTGLIRNLSRNARNKDEMSTKVVSHL IEKLPGSVGEKSPPAEVLVNIIVLNNLVVASPIAARDLLYFDGLRKLIFIKKKRDPDSEKSSRAASSL LANLWQYNKLRDFRAKGYRKEDFLGP</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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:	NP_009114

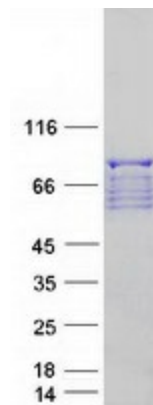


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RefSeq Size: 2845
RefSeq ORF: 2391
Locus ID: 11187
UniProt ID: [Q9Y446](#)
Cytogenetics: 11p15.5

Summary: This gene encodes a member of the arm-repeat (armadillo) and plakophilin gene families. Plakophilin proteins contain numerous armadillo repeats, localize to cell desmosomes and nuclei, and participate in linking cadherins to intermediate filaments in the cytoskeleton. This protein may act in cellular desmosome-dependent adhesion and signaling pathways. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Product images:



Coomassie blue staining of purified PKP3 protein (Cat# [TP301001]). The protein was produced from HEK293T cells transfected with PKP3 cDNA clone (Cat# [RC201001]) using MegaTran 2.0 (Cat# [TT210002]).