

Product datasheet for PH303969

PLEKHO1 (NM_016274) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLEKHO1 MS Standard C13 and N15-labeled recombinant protein (NP_057358)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203969
Predicted MW:	46.2 kDa
Protein Sequence:	>RC203969 protein sequence Red=Cloning site Green=Tags(s) MMKKNNSAKRGPQDGNQQPAPPEKVGWVRKFCGKGFREIWKNRVYVVLKGDQLYI SEKEVKDEKNIQEVF DLSDYEKCEELRKSKSRSKNHKSKFTLAHKSQPGNTAPNLI FLAVSPEEKESWINALNSAITRAKNRILD EVTVEEDSYLAHPTRDRAKIQHSRRPPTRGHLMVASTSTSDGMLTLDLIQEEDPSPEEPTSCAESFRVD LDKSVLAQLAGSRRRADSRIQPSADRASSLSRPWEKTDKGATYTPQAPKKLTPTEKGRCASLEEI LSQRD AASARTLQLRAEEPPTPALPNPGQLSRIQDLVARKLEETQELLAEVQGLGDGKRKAKDPPRSPDSESEQ LLETERLLGEASSNWSQAKRVLQEVRELRDL YRQMDLQTPDShLRQTTPHSQYRKSLM 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_057358</u>
RefSeq Size:	1627
RefSeq ORF:	1227
Synonyms:	CKIP-1; CKIP1; JBP; OC120
Locus ID:	51177



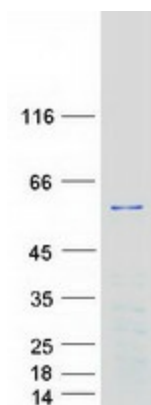
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UniProt ID: [Q53GL0](#)

Cytogenetics: 1q21.2

Summary: Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PLEKHO1 protein (Cat# [TP303969]). The protein was produced from HEK293T cells transfected with PLEKHO1 cDNA clone (Cat# [RC203969]) using MegaTran 2.0 (Cat# [TT210002]).