

## Product datasheet for TP303969M

### PLEKHO1 (NM\_016274) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pleckstrin homology domain containing, family O member 1 (PLEKHO1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203969 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMKKNNSAKRGPQDGNQQPAPPEKVGWVRKFCGKGFREIWKNRYVWLKGDQLYISEKEVKDEKNIQEVF

DLSDYEKCEELRKSRSKKNHSKFTLAHASKQPGNTAPNLIFLAVSPEEKESWINALNSAITRAKNRILD  
EVTVEEDSYLAHPTDRRAKIQHSRRPPTRGHLMMAVASTSTSDGMLTLDLIQEEDPSPEEPTSCAESFRVD  
LDKSVAQLAGSRRRADSDRIQPSADRASSLRPWKTDKGATYTPQAPKKLTPTEKGRCASLEEILSQRD  
AASARTLQLRAEEPPTPALPNPGQLSRIQDLVARKLEETQELLAEVQGLGDGKRKAKDPPRSPDSESEQ  
LLETERLLGEASSNWSQAKRVLQEVRELRDLRQMDLQTPDHLRQTTPHSQYRKSMLM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	46.1 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.
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.



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RefSeq: [NP\\_057358](#)

Locus ID: 51177

UniProt ID: [Q53GL0](#)

RefSeq Size: 1627

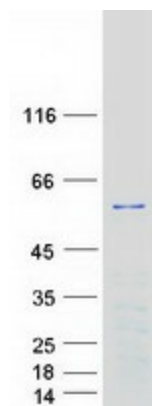
Cytogenetics: 1q21.2

RefSeq ORF: 1227

Synonyms: CKIP-1; CKIP1; JBP; OC120

**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]).