

Recombinant Human PLEKHO1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PLEKHO1-302H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLEKHO1 MS Standard C13 and N15-labeled recombinant protein (NP_057358) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.2 kDa
AA Sequence	MMKKNNSAKRGPDGNQQPAPPEKVGWVRKFCGKGIFREIWKNRYVVLKGDQLYI SEKEVKDEKNIQEVFDLSDYEKCEELRKSKSRSKKNHNSKFTLAHSKQPGNTAPNLIF LAVSPEEKESWINALNSAITRAKNRILDEVTVEEDSYLAHPTRDRAKIQHSRRPPTRG HLMMAVASTSTSDGMLTLDLIQEEDPSPEEPTSCAESFRVDLDKSVAQLAGSRRRAD

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SDRIQPSADRASSLSRPWEKTDKGATYTPQAPKKLTPTEKGRCASLEEILSQRDAAS
ARTLQLRAEEPPTPALPNPGQLSRIQDLVARKLEETQELLAEVQGLGDGKRKAKDPP
RSPPDSESEQLLLETERLLGEASSNWSQAKRVLQEVRELRLDLYRQMDLQTPDSHLR
QTTPHSQYRKSLMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PLEKHO1 pleckstrin homology domain containing, family O member 1 [Homo sapiens (human)]

Official Symbol PLEKHO1

Synonyms PLEKHO1; pleckstrin homology domain containing, family O member 1; pleckstrin homology domain-containing family O member 1; CKIP 1; OC120; JBP; 2810052M02Rik; C-Jun-binding protein; CK2-interacting protein 1; casein kinase 2-interacting protein 1; PH domain-containing family O member 1; CK2 interacting protein 1; HQ0024c protein; osteoclast maturation-associated gene 120 protein; CKIP-1; RP11-458I7.3;

Gene ID 51177

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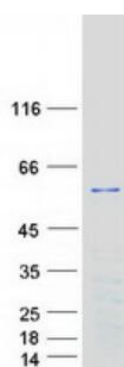
mRNA Refseq [NM_016274](#)

Protein Refseq [NP_057358](#)

MIM [608335](#)

UniProt ID [Q53GL0](#)

SDS-PAGE



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