

Product datasheet for TP524671

Plekho1 (NM_023320) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pleckstrin homology domain containing, family O member 1 (Plekho1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224671 protein sequence Red =Cloning site Green =Tags(s)

MKKS GSGKRGPPDGNHQSAAPEKVGWVRKFCGKGFREIWKNRYVVLKGDQLYVSEKEVKDEKNSQEVF
D

LSDYEKCEELRKSRSKKNHSKFTLARCRQPGTTAPNLIFLAVSPEEKESWINALSSAITRAKNRILDE
VTVEEDSYLAHPTRDRAKIQHSRRPPTRGHLMMAVASTSTSDGMLTLDLIQEEDPSPEEPASCAESFRVDL
DKSVAQLAGSRRRADSDRIQPSSQRASSLSRPWEKPDKGAPYTPQALKKFPSTEKSRCASLEEILSRD
TAPARPLHLQAEESLPPVPAQPGQLSRIQDLVARKLEKTQELLAEVQGLDGGKRKAKDPPQSPDSESEQL
LLETERLLGEASSNWSQAKRVLQEVRELRLDLYRQMDLQTPDShLRQTSQHSQYRKSLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	46 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_075809
Locus ID:	67220



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UniProt ID: [Q9JIY0](#)

RefSeq Size: 1370

Cytogenetics: 3 F2.1

RefSeq ORF: 1224

Synonyms: 2810052M02Rik; CKIP-1; Ckip1; JZA-20; Jza2

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 (By similarity).
[UniProtKB/Swiss-Prot Function]