

Product datasheet for TP511592

Plekhm1 (NM_183034) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pleckstrin homology domain containing, family M (with RUN domain) member 1 (Plekhm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211592 representing NM_183034
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLSVENGLDPRAAIQVIKKKLVGSVKALQKQHVSLDTVVTSEDGDANTMCSALEAVFIHGLHAKHIRAEA
GGKRKKHHTHQALPQPVFWPLLKAITHRHIVSDLEHLVFINTDVGRCRAWLRALNDGLMECYLKLKLLQE
PARLCEYYQPTALLRDAEEAEFLSFLQGLTSLSFELSYKSAILNEWTLTPLSLSGLCPLSELDPLTTSG
AELQRKESLDSISHSSGSEIDIEVQHSCHKIRNRKLTASSLSLDTASSSQLSCLNSDSCLLQENGPSP
DHSEEPMSYSDSLGMANTDDPDRSLQEVLFSEFSKAQVNSAPSSGPNQEPDTPMFQTPLSLHSLATSTHLH
FEGSEELFPAHKSSGTSSGGHKKHQLLPQETPDEKQLGTAQAGPAQSTSDQPPSSVGGGAAGQGGSPWKAL
EYGRVGPGLVSSPTSPKGSWISEDDFCRPPQEPALKSAAGLCTSPVQDTPESRAALHGPFSSQGPSPKSC
SLGALDKACVPSQACGNAQPAPAPAPAPAPAPAGVTQDHNFCVHRRQMGLSNPFRGLMKLGTVAR
RGAMGIWKEFFCELSPLFRLYLSDEERTCVESCSLLRCEAVGPAHSDGRFELVFSGKKLALRASSQDEA
EDWLDVRREALQKVRPQQEDEWVNIQYDPDAEDAPEAPPDSLPPYSTLLPEPAGAQQMQLDWTSAQVPEP
DAIKESLLYLYADRTWVPYIFLSLSLESLKCFVRNRNEKMLS DSHGVETIRDILPDTSLGGPAFFKIITAK
AVLKLQAKNTEETHWRDLVRKVLASYLESAEEAVTLGGSLDEKCEVLFKATRENGFLLQYLVAIPTK
GLDSQGCFCAGCSRQIGFSFVRPKLCAFSGLYYCDFCHQDDASVIPARIIHNWDLTKRPVCRQALKFLAQ
IRAQPLINLQLVNASLYEHVERMHIGRSREQLKLLGDYLGCRSGALKELCKRLSHRNYLLESPhRFSV
ADLQQAIEGVYEGFLKALIEFASQHVYHCDLCTQRGFICQICHHQDIIFPFEDTTVRCACERTVFHQSC
QAVVRKGCPRCARRRKYQE QNVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	118.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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_898855
Locus ID:	353047
UniProt ID:	Q7TS11
RefSeq Size:	5144
Cytogenetics:	11 E1
RefSeq ORF:	3222
Synonyms:	AP162; B2; BC038943; D330036J23Rik
Summary:	<p>Proposed to act as a multivalent adapter protein that regulates Rab7-dependent and HOPS complex-dependent fusion events in the endolysosomal system and couples autophagic and the endocytic trafficking pathways. Required for late stages of endolysosomal maturation, facilitating both endocytosis-mediated degradation of growth factor receptors and autophagosome clearance. Seems to be involved in the terminal maturation of autophagosomes and to mediate autophagosome-lysosome fusion (PubMed:25498145). Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts (PubMed:27777970). May be involved in negative regulation of endocytic transport from early endosome to late endosome/lysosome implicating its association with Rab7 (By similarity). May have a role in sialyl-lex-mediated transduction of apoptotic signals (By similarity). Involved in bone resorption (PubMed:27777970).[UniProtKB/Swiss-Prot Function]</p>