

Product datasheet for TP320299M

PLEKHM2 (NM_015164) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pleckstrin homology domain containing, family M (with RUN domain) member 2 (PLEKHM2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220299 representing NM_015164 Red=Cloning site Green=Tags(s)

MEPGEVKDRILENISLSVKKLQSYFAACEDEIPAIRNHDKVLQRLCEHLDHALLYGLQDLSSGYWVLVWH
FTRREAIKQIEVLQHVATNLGRSRAWLYLALNENSLESYLRLFQENLGLLHKYYVKNALVCSHDHLTLFL
TLVSGLEFIRFELDLAPYLDLAPYMPDYKPYLLDFEDRLPSSVHGSLSLNSFNVSSTNLEWDDS
AIAPSSSEDYDFGDVFPVAVSPSTDWEDGDLTDTVSGPRSTASDLTSSKASTRSTQRQNPFEPEAETV
SSSDTTPVHTTSQEKEEAQALDPPDACTELEVIRVTKKKKIGKKKRSDEEASPLHPACSQKKCAKQGD
GDSRNGSPSLGRDSPDTMLASPQEEGEGPSSTTESSERSEPGLLIPEMKDTSMERLGQPLSKVIDQLNGQ
LDPSTWCSRAEPPDQSFRTGSPGDAPERPLCDFSEGLSAPMDFYRFTVESPTVTSGGGHHDPAGLGQP
LHVPSSPEAAGQEEEGGGGEGQTPRPLEDTTREAQEAQLSLVREGPVSEPEPGTQEVLCQLKRDQPSP
CLSSAEDSGVDEGQSPSEMVSSEFRVDNNHLLLLMIHVFRENEEQLFKIRMSTGHMEGNLQLLYVLL
TDCYVYLLRKGATEKPYLVEEAVSYNELDYVSVGLDQQTVKLVCTNRRKQFLDADVALAEFFLASLKS
AMIKGCREPPYPSILTDATMEKLALAKFVAQESKCEASAVTVRFYGLVHWEDPTDES LGPTPCHCSPPEG
TITKEGMLHYKAGTSYLGKEHWKTCFVLSNGILYQYDRTDVIPLLSVNMGGEQCGGCRANTTDRPHA
FQVILSDRPLELSAESEAEMAEMWQHLCQAVSKGVIPQGVAPSPCIPCLVLTDDRLFTCHEDCQTSFF
RSLGTAKLGDISAVSTEPGKEYCVLEFSQDSQQLPPWVIYLSCTSELDRLLSALNSGWKTIYQVDLPHT
AIQEASNKKKFEDALSIHSAWQRSDSLCRGRASRDPWC

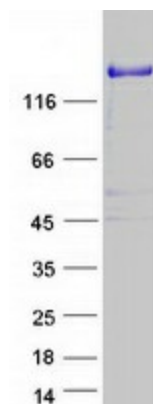
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	112.6 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



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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.
RefSeq:	NP_055979
Locus ID:	23207
UniProt ID:	Q8IWE5 , Q5VVD7
RefSeq Size:	4231
Cytogenetics:	1p36.21
RefSeq ORF:	3057
Synonyms:	SKIP
Summary:	<p>This gene encodes a protein that binds the plus-end directed microtubule motor protein kinesin, together with the lysosomal GTPase Arl8, and is required for lysosomes to distribute away from the microtubule-organizing center. The encoded protein belongs to the multisubunit BLOC-one-related complex that regulates lysosome positioning. It binds a Salmonella effector protein called Salmonella induced filament A and is a critical host determinant in Salmonella pathogenesis. It has a domain architecture consisting of an N-terminal RPIP8, UNC-14, and NESCA (RUN) domain that binds kinesin-1 as well as the lysosomal GTPase Arl8, and a C-terminal pleckstrin homology domain that binds the Salmonella induced filament A effector protein. Naturally occurring mutations in this gene lead to abnormal localization of lysosomes, impaired autophagy flux and are associated with recessive dilated cardiomyopathy and left ventricular noncompaction. [provided by RefSeq, Feb 2017]</p>
Protein Families:	Druggable Genome

Product images:

Coomassie blue staining of purified PLEKHM2 protein (Cat# [TP320299]). The protein was produced from HEK293T cells transfected with PLEKHM2 cDNA clone (Cat# [RC220299]) using MegaTran 2.0 (Cat# [TT210002]).