

Product datasheet for PH320299

PLEKHM2 (NM_015164) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLEKHM2 MS Standard C13 and N15-labeled recombinant protein (NP_055979)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220299
Predicted MW:	112.6 kDa
Protein Sequence:	>RC220299 representing NM_015164 Red=Cloning site Green=Tags(s)

MEPGEVKDRILENISLSVKKLQSYFAACEDEIPAIRNHDKVLQRLCEHLDHALLYGLQDLSSGYWVLVH
FTRREAIKQIEVLQHVATNLGRSRAWLYLALNENSLESYLRLFQENLGLLHKYYVKNALVCSHDHLTLFL
TLVSGLEFIRFELDLAPYLDLAPYMPDYKPYLLDFEDRLPSSVHGSDSLSLNSFNSVTSTNLEWDDS
AIAPSSSEDYDFGDVFPVPSVPTDWDGDLDLTVSGRSTASDLTSSKASTRSPTRQNPNEEPAETV
SSSDTTPVHTTSQEKEEAQALDPPDACTELEVIRVTKKKIGKKKSRSDDEEASPLHPACSQKCAKQGD
GDSRNGSPSLGRDSDTMLASPEEGGSPSTTESSERSEPLLIPEMKDTSMERLQPLSKVIDQLNGQ
LDPSTWCSRAEPPDQSFRTGSPGDAPERPLCDFSEGLSAPMDFYRFTVESPSTVTSGGGHHDPAGLGQP
LHVPSSPEAAGQEEEGGGEGQTPRPLEDTTREAQLEAQLSLVREGPVSEPEGTQEVLCQLKRDQPS
CLSSAEDSGVDEGQSPSEMVSSEFRVDNHLHLLMIHVFRENEQLFKMIRMSTGHMEGNLQLLYVLL
TDCYVYLLRKGATEKPYLVEEAVSYNELDYVSVGLDQQTVKLVCTNRRKQFLDADVALAEFFLASLKS
AMIKGCREPPYPSILTDATMEKLALAKFVAQESKCEASAVTVRFYGLVHWEDPTDESLGPTPCHCSPPEG
TITKEGMLHYKAGTSYLKHEWKTCFVVLNNGILYQYPRDVIPLLSVNMGGEQCGCRRANTTDRPHA
FQVILSDRPLELSEAESAEMAEWMQHLCAVSKGVIPQGVAPSPCIPCCLLVTDRLFTCHEDCQTSFF
RSLGTAKLGDISAVSTEPGKEYCVLEFSQDSQQLPPWVIYLSCTSELDRLLSALNSGWKTIYQVDLPH
AIQEASNKKKFEDALSLIHSWQRSDSLCRGRASRDPWC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.

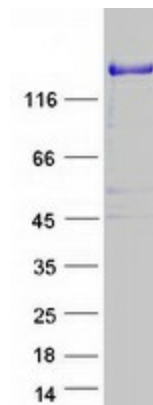


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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055979
RefSeq Size:	4231
RefSeq ORF:	3057
Synonyms:	SKIP
Locus ID:	23207
UniProt ID:	Q8IWE5 , Q5VVD7
Cytogenetics:	1p36.21
Summary:	This 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]

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]).