

Datasheet for ABIN7564240

PLEKHM2 Protein (AA 1-1018) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PLEKHM2
Protein Characteristics:	AA 1-1018
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHM2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Plekhm2 Protein expressed in mammalian cells.
Sequence:	<p>MEPREVKDRI LENISLSVKK LQSYFAACED ETPAIRNHDK VLQRLCEHLD HALLYGLQDL SSGYWVLVWH FTRREAIRQI EVLQHVATNL GRSRAWLYLA LNENSLESYL RLFQENLGLL QKYYVRNALV CSHDHLTLFL TLVSGLEFIR FDLDLAPYL DLAPYMPDYY KPQYLLDFED RLPSSVHGSD SLSLNSFNSV TSTNLEWDDS AIAPSSDGD LTDTISGPRS TASDLTSSKT STKSPTQRHN PFNEEQAETA SSDTTPVHTT SQEKEEAQAP DQPDACTELE VIRVTKKKKI GKKKTKLDE DASPLHPTSS QQKCGQQGEG DGLVGTPLA RDPSTVLAS PQEQGEGSSL TAGSSELSEL SQMGLLIPEM KDTSMECLGQ PLSKVIDKLH GQLDPSTWCS HADPPEQSFR AGSPGEAPEK PFCDFSEGL PAMPDFYRFT VESPSTVAPG GGHHDPGPGS QPLHVPGSPA AALQEEEEEG RGEGQTSQPV EDRQGEEIQE PEPQEPDSQL PLVSQEPLVS QEPVPEPVSQ PEPGTHEALC KLKRDQSPC LSSAEDSGVE EGQGSPSEMT HPSEFRVDNN HLLLLMIHVF RENEEQLFKM IRMSTGHMEG NLQLLYVLLT DCYVYLLRKG ATEKPYLVEE AVSYNELDYY SVGLDQQTVK LVCTNRRKQF LLDTADVALA ELFLASLKSA MIKGREPPY PSILTDATME</p>

Product Details

KLALAKFVAQ ESKCEASAVT VHFYGLVHWE DPMEEALGPV PCQCSPAEGT ITKEGMLHYK
ASTSYLGKEH WKACFVLSN GILYQPDRT DVIPLLSVNM GGEQCQGCRR SNTTDRPHAF
QVILADR PCL ELSADSEAEM ADWMQHLCQA VSKGVIPQGI APSPCIPCCL VITEDRLFTC
HEDCQTSFFR SLGTARLADI TAISTELGKE YCVLEFSQDS PQLLPWVIY LSCTSELDRF
LTALSSGWKA IYQVDLPHKA IHEASIKQKF EDALSLIHS WQRSDSLCRG RASRD PWC **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: PLEKHM2

Alternative Name: Plekhm2 ([PLEKHM2 Products](#))

Background: Pleckstrin homology domain-containing family M member 2 (PH domain-containing family M member 2),FUNCTION: Plays a role in lysosomes movement and localization at the cell periphery acting as an effector of ARL8B. Required for ARL8B to exert its effects on lysosome

Target Details

location, recruits kinesin-1 to lysosomes and hence direct their movement toward microtubule plus ends. Binding to ARL8B provides a link from lysosomal membranes to plus-end-directed motility. Critical factor involved in NK cell-mediated cytotoxicity. Drives the polarization of cytolytic granules and microtubule-organizing centers (MTOCs) toward the immune synapse between effector NK lymphocytes and target cells. Required for maintenance of the Golgi apparatus organization. May play a role in membrane tubulation.
{ECO:0000250|UniProtKB:Q8IWE5}.

Molecular Weight: 112.7 kDa

UniProt: [Q80TQ5](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months