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Datasheet for ABIN7565295

MTMR1 Protein (AA 1-669) (His tag)

Overview

Quantity:	1 mg
Target:	MTMR1
Protein Characteristics:	AA 1-669
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mtmr1 Protein expressed in mammalian cells.
Sequence:	MDRPVAAAAA ASAASCEGAG GPGPGPGASW RPSRVAGGAS ASSRHPSIET LDSPTGSHVE WCKQLIAATI SSQISGSVTS ENVSRDYKAL RDGNKLAQME EAPLFPGESI KAIVKDVIIYI CPFMGAVSGT LTVTDFKMYF KNVERDPHFV LDVPLGVISR VEKIGAQSHG DNSCGIEIVC KDMRNLRLAY KQEEQRKLG I FENLNKHAFPLSNGQVLF AF NYKEKFPVNG WKVYDPVSEY KRQGLPNESW KISKINSNYE FCDTYP AIV VPTSVKDDDL SKVAAFRAKG RVPVLSWIHP ESQATITRCS QPLVGPNDKR CKED EKY LQT IMDANAQSHK LTIFDARQNS VADTNKAKGG GYENESAYPN AELIFLEIHN IHVMRESLRK LKEIVYPSID ESHWLSNVDG THWLEYIRVL LAGAVRIADK IESGKTSVVI HCSDGWDRTS QLTSLAMLML DSYRTIKGF EALIEKEWIS FGHRFALRVG HGDDNHADAD RSPIFLQFID CVWQMTRQFP SAFEFNELFL ITILDHLYSC LFGTFLCNCE QQRIKEDVYT NTISLWSYIN SQLDEF SNPF FVNENHVLY PVASMSHLEL WVNYVVRWNP RMRPQMPIHQ NLKELLAIKA ELQKRVEDLQ REMATRTISS SSERGS SPTH SATPVHTSV Sequence without tag. The proposed Purification-Tag is based on experiences

Product Details

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: MTMR1

Alternative Name: Mtmr1 ([MTMR1 Products](#))

Background: Myotubularin-related protein 1 (Phosphatidylinositol-3,5-bisphosphate 3-phosphatase) (EC 3.1.3.95) (Phosphatidylinositol-3-phosphate phosphatase) (EC 3.1.3.64),FUNCTION: Lipid phosphatase that has high specificity for phosphatidylinositol 3-phosphate and has no activity with phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed:12217958). Activity with phosphatidylinositol (3,5)-bisphosphate is controversial, it has been shown for the human ortholog (By similarity). In contrast, PubMed:12217958 find no activity with this substrate. {ECO:0000250|UniProtKB:Q13613, ECO:0000269|PubMed:12217958}.

Target Details

Molecular Weight: 75.3 kDa

UniProt: [Q9Z2C4](#)

Pathways: [Inositol Metabolic Process](#)

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