Datasheet for ABIN7556419

MTMR2 Protein (AA 1-643) (His tag)

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Overview

Quantity:	1 mg
Target:	MTMR2
Protein Characteristics:	AA 1-643
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mtmr2 Protein expressed in mammalian cells.
Sequence:	MEKSSSCESL GAQLPAARLP SEDSLSSAST SHSENSVHTK SASAISSDSI STSADNFSPD LRVLREANKL AEMEEPALLP GENIKDMAKD VTYICPFTGA VRGTLTVTSY RLYFKSMERD PPFVLDASLG VISRVEKIGG ASSRGENSYG LETVCKDIRN LRFAHKPEGR TRRSIFENLM KYAFPVSNGL PLFAFEYKEV FPENGWKLYD PLLEYRRQGI PNESWRITKI NERYELCDTY PALLVVPANI PDEELKRVAS FRSRGRIPVL SWIHPESQAT VTRCSQPMVG VSGKRSKEDE KYLQAIMDSN AQSHKIFIFD ARPSVNAVAN KAKGGGYESE DAYQNAELVF LDIHNIHVMR ESLRKLKEIV YPTIEETHWL SNLESTHWLE HIKLILAGAL RIADKVESGK TSVVVHCSDG WDRTAQLTSL AMLMLDGYYR TIRGFEVLVE KEWLSFGHRF QLRVGHGDKN HADADRSPVF LQFIDCVWQM TRQFPTAFEF NEYFLITILD HLYSCLFGTF LCNSEQQRGK ENLPKKTVSL WSYINSQLED FTNPLYGSYS NHVLYPVASM RHLELWVGYY IRWNPRMKPQ EPIHSRYKEL LAKRAELQRK VEELQREISN RSTSSSERAS SPAQCVTPVQ TVV **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different**

Product Details

	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:	MTMR2
Alternative Name:	Mtmr2 (MTMR2 Products)
Background:	Myotubularin-related protein 2 (Phosphatidylinositol-3,5-bisphosphate 3-phosphatase) (EC 3.1.3.95) (Phosphatidylinositol-3-phosphate phosphatase) (EC 3.1.3.64),FUNCTION: Phosphatase that acts on lipids with a phosphoinositol headgroup (PubMed:12045210, PubMed:16399794). Has phosphatase activity towards pho sphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate (PubMed:12045210, PubMed:16399794). Binds phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate (PubMed:12045210, PubMed:16399794). Stabilizes SBF2/MTMR13 at the membranes (PubMed:23297362). Specifically in peripheral nerves, stabilizes SBF2/MTMR13 protein (PubMed:23297362).

Target Details

	{ECO:0000269|PubMed:12045210, ECO:0000269|PubMed:16399794, ECO:0000269|PubMed:23297362}.
Molecular Weight:	73.2 kDa
UniProt:	Q9Z2D1
Pathways:	Inositol Metabolic Process, Synaptic Membrane

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

