

Datasheet for ABIN7556418

MTMR9 Protein (AA 1-545) (His tag)



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Overview

Quantity:	1 mg
Target:	MTMR9
Protein Characteristics:	AA 1-545
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mtmr9 Protein expressed in mammalian cells.
Sequence:	MEFAELIKTP RVDNVVLHRP FYTAVEGTLC LTGHHLLSS RQDNTEELWL LHSNIDAIDK RFVGS LGTII IKCKDFRIIQ LDIPGMEECL NIASSIEALS TLDSVTLMYP FFYRPMFEVI EDGWHSFLPE QEFEFYSSAT SEWRLSYINK DFSICPSYPP TVIVPKSVDD EALRKVAAFR HGG RFPVLSY YHKKNGMVIM RSGQPLTGTN GRRCKEDEKL INATLRAGKR GYLIDTRSLN VAQQARAKGG GFEQEAHYPQ WRRIHKSIER YHVLQESLIK LVEACNEQTH NMDRWLGKLE ASNWLTHIKE ILTTACLAAQ CIDREGASVL IHGTEGTDST LQVTS LAQII LEPRSRTIRG FEALIEREWL QAGHPFQRC AQSAYCSSKQ KWEAPVLLF LDCVWQILRQ FPCSFEFNEH FLIMLFEHAY ASQFGTFLGN NESERCKLKL QKTM SLWSW VNRPGELSKF TNPLFEANNL VIWPSVAPQS LQLWEGIFLR WSRSSKYLDE AYEEMVNIIE YNKELQAKVN VLRRQLAELE TEDGL 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.

Product Details

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:	MTMR9
Alternative Name:	Mtmr9 (MTMR9 Products)
Background:	Myotubularin-related protein 9 (Inactive phosphatidylinositol 3-phosphatase 9),FUNCTION: Acts as an adapter for myotubularin-related phosphatases (PubMed:12890864). Increases lipid phosphatase MTMR6 catalytic activity, specifically towards phosphatidylinositol 3,5-bisphosphate, and MTMR6 binding affinity for phosphorylated phosphatidylinositols (By similarity). Positively regulates lipid phosphatase MTMR7 catalytic activity (PubMed:12890864). The formation of the MTMR6-MTMR9 complex, stabilizes both MTMR6 and MTMR9 protein levels (By similarity). Plays a role in the late stages of macropinocytosis possibly by regulating MTMR6-mediated dephosphorylation of phosphatidylinositol 3-phosphate in membrane ruffles (By similarity). Negatively regulates DNA damage-induced apoptosis, in part via its association with MTMR6 (By similarity). Does not bind mono-, di- and tri-phosphorylated phosphatidylinositols, phosphatidic acid and phosphatidylserine (By similarity).

Target Details

	{ECO:0000250 UniProtKB:Q96QG7, ECO:0000269 PubMed:12890864}.
Molecular Weight:	62.9 kDa
UniProt:	Q9Z2D0

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