

Datasheet for ABIN7549567

MTMR12 Protein (AA 1-747) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MTMR12
Protein Characteristics:	AA 1-747
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR12 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MTMR12 Protein expressed in mammalian cells.
Sequence:	<p>MLGKGVVGGG GGTKAPKPSF VSYVRPEEIH TNEKEVTEKE VTLHLLPGEQ LLCEASTVLK YVQEDSCQHG VYGRVCTDF KIAFLGDDES ALDNDQFK NKVIGENDIT LHCVDQIYGV FDEKKTFLFG QLKKYPEKLI IHCKDLRVFQ FCLRYTKEEE VKRIVSGIIH HTQAPKLLKR LFLFSYATAA QNNTVTDPKN HTVMFDTLKD WCWELERTKG NMKYKAVSVN EGYKVCERLP AYFVVPTPLP EENVQRFQGH GIPIWCWSCH NGSALLKMSA LPKEQDDGIL QIQKSFLDGI YKTIHRPPYE IVKTEDLSSN FLSLQEIQT AYSKFKQLFLI DNSTEFWDTD IKWFSLLESS SWLDIIRCL KKAIEITECM EAQNMNVL L EENASDLCL ISSLVQLMMD PHCRTRIGFQ SLIQKEWVMG GHCFLDRCNH LRQNDKEEVP VFLLFLDCVW QLVHQHPPAF EFTETYLTVL SDSLYIPIFS TFFNSPHQK DTNMGREGQD TQSKPLNLLT VWDWSVQFEP KAQTLLKNPL YVEKPKLDKG QRKGMRFKHQ RQLSLPLTQS KSSPKRGFFR EETHLIKLN LGKRISKLIN SSDELQDNFR EFYDSWHSKS TDYHGLLLPH IEGPEIKVWA QRYLRWIPEA QILGGGQVAT LSKLLEMMEE VQSLQEKIDE RHHSQQAPQA EAPCLLRNSA RLSSLFPFAL LQRHSSKPVL</p>

Product Details

PTSGWKALGD EDDLAKREDE FVDLGDV **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: MTMR12

Alternative Name: MTMR12 ([MTMR12 Products](#))

Background: Myotubularin-related protein 12 (Inactive phosphatidylinositol 3-phosphatase 12) (Phosphatidylinositol 3 phosphate 3-phosphatase adapter subunit) (3-PAP) (3-phosphatase adapter protein),FUNCTION: Acts as an adapter for the myotubularin-related phosphatases (PubMed:11504939, PubMed:12847286, PubMed:23818870). Regulates phosphatase MTM1 protein stability and possibly its intracellular location (PubMed:23818870). By stabilizing MTM1 protein levels, required for skeletal muscle maintenance but not for myogenesis (By similarity). {ECO:0000250|UniProtKB:Q80TA6, ECO:0000269|PubMed:11504939,

Target Details

ECO:0000269|PubMed:12847286, ECO:0000269|PubMed:23818870}.

Molecular Weight: 86.1 kDa

UniProt: [Q9C011](#)

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
