

Datasheet for ABIN7554640

MTMR4 Protein (AA 1-1195) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MTMR4
Protein Characteristics:	AA 1-1195
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MTMR4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MTMR4 Protein expressed in mammalian cells.
Sequence:	<p>MGEEGPPSLE YIQAKDLFPP KELVKEEENL QVPFTVLQGE GVEFLGRAAD ALIAISNYRL HIKFKDSVIN VPLRMIDSVE SRDMFQLHIS CKDSKVVRCH FSTFKQCQEW LSRLSRATAR PAKPEDLFAF AYHAWCLGLT EEDQHTHLCQ PGEHIRCRQE AELARMGFDL QNVWRVSHIN SNYKLCPSYP QKLLVPVWIT DKELENVASF RSWKRIPVVV YRHLRNGAAI ARCSQPEISW WGWRNADDEY LVTSIAKACA LDPGTRATGG SLSTGNNDS EACDADFSS LTACSGVEST AAPQKLLILD ARSYTAAVAN RAKGGGCECE EYYPNCEVVF MGMANIHAIR NSFQYLRAVC SQMPDPSNWL SALESTKWLQ HLSVMLKAAV LVANTVDREG RPVLVHCSDG WDRTPQIVAL AKILLDPYYR TLEGFQVLVE SDWLDFGHKF GDRCGHQENV EDQNEQCPVF LQWLDSVHQL LKQFPCLFEF NEAFLVKLVQ HTYSCLYGTF LANNPCEREK RNIYKRTCSV WALLRAGNKN FHNFLYTPSS DMVLHPVCHV RALHLWTAVY LPASSPCTLG EENMDLYLSP VAQSQEFSGR SLDRLPKTRS MDDLCSACDT SSPLTRTSSD PNLNNHCQEV RVGLEPWHSN PEGSETSFVD SGVGGPQQTV GEVGLPPPLP SSQKDYLSNK PFKSHKSCSP SYKLLNTAVP REMKSNTSDP</p>

Product Details

EIKVLEETKG PAPDPSAQDE LGRTLDTGIGE PPEHCPETEA VSALSKVISN KCDGVCNFPE
SSQNSPTGTP QQAQPDSMLG VPSKCVLDHS LSTVCNPPSA ACQTPLDPST DFLNQDPSGS
VASISHQEQL SSVPDLTHGE EDIGKRGNNR NGQLLENPRF GKMPLELVK PISQSQISEF
SFLGSNWDSF QGMVTSFSPG EATPRRLSY GCCSKRPNSK QMRATGPCFG GQWAQREGVK
SPVCSHSNG HCTGPGGKNQ MWLSSHVKV SSKPVPLNC PSPVPPLYLD DDGLPFPTDV
IQHRLRQIEA GYKQEVEQLR RQVRELQMLR DIRHCCAPPA EPPMDYEDDF TCLKESDGSD
TEDFGSDHSE DCLSEASWEP VDKKETEVTR WVPDHMASHC YNCDCEFWLA KRRHHCRNCG
NVFCAGCCHL KLPIPDQQLY DPVLCNSCY EHIQVSRARE LMSQQLKKPI ATASS **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: MTMR4

Alternative Name: MTMR4 ([MTMR4 Products](#))

Target Details

Background: Myotubularin-related protein 4 (EC 3.1.3.48) (FYVE domain-containing dual specificity protein phosphatase 2) (FYVE-DSP2) (Zinc finger FYVE domain-containing protein 11),FUNCTION: Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3). {ECO:0000269|PubMed:11302699}.

Molecular Weight: 133.4 kDa

UniProt: [Q9NYA4](#)

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