



# Recombinant Human Myotubularin-related protein 12 (MTMR12)

<b>Product Code</b>	CSB-EP880158HU-B
<b>Abbreviation</b>	MTMR12
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9C011
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLGKGVVGGG GGTKAPKPSF VSYVRPEEIH TNEKEVTEKE VTLHLLPGEQ LLCEASTVLK YVQEDSCQHG VYGRLVCTDF KIAFLGDDDES ALDNDDETQFK NKVIGENDIT LHCVDQIYGV FDEKKKTLFG QLKKYPEKLI IHCKDLRVFQ FCLRYTKEEE VKRIVSGIIH HTQAPKLLKR LFLFSYATAA QNNTVTDPKN HTVMFDLTKD WCWELERTKG NMKYKAVSVN EGYKVCERLP AYFVVPTPLP EENVQRFQGH GIPIWCWSCH NGSALLKMSA LPKEQDDGIL QIQKSFLDGI YKTIHRPPYE IVKTEDLSSN FLSLQEIQTA YSKFKQLFLI DNSTEFWDTD IKWFSLLESS SWLDIIRCL KKAIEITECM EAQNMNVLLE EENASDLCCCL ISSLVQLMMD PHCRTRIGFQ SLIQKEWVMG GHCFLDRCNH LRQNDKEEVP VLLFLDCVW QLVHQHPPAF EFTETYTLTVL SDSLYIPIFS TFFFNSPHQK DTNMGREGQD TQSKPLNLLT VWDWSVQFEP KAQTLLKNPL YEKPKLDKG QRKGMRFKHQ RQLSLPLTQS KSSPKRGFFR EETDHLIKNL LGKRISKLIN SSDELQDNFR EFYDSWHSKS TDYHGLLLPH IEGPEIKVWA QRYLRWIPEA QILGGGQVAT LSKLLEMMEE VQSLQEKIDE RHHSQQAPQA EAPCLLRNSA RLSSLFPFAL LQRHSSKPVL PTSGWKALGD EDDLAKREDE FVDLGDV
<b>Source</b>	E.coli
<b>Target Names</b>	MTMR12
<b>Protein Names</b>	Recommended name: Myotubularin-related protein 12 Alternative name(s): Phosphatidylinositol 3 phosphate 3-phosphatase adapter subunit Short name= 3-PAP Short name= 3-phosphatase adapter protein
<b>Expression Region</b>	1-747
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P),



regulate diverse cellular processes. This protein functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants have been identified, but their biological validity has not been determined.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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