



# Recombinant Human Myotubularin-related protein 2 (MTMR2)

<b>Product Code</b>	CSB-EP613418HU-B
<b>Abbreviation</b>	MTMR2
<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>	Q13614
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEKSSSCESL GSQPAAARPP SVDSLSSAST SHSENSVHTK SASVSSDSI STSADNFSPD LRVLRESNKL AEMEEPPLL GENIKDMAKD VTYICPFTGA VRGTLTVTNY RLYFKSMERD PPFVLDASLG VINRVEKIGG ASSRGENSYG LETVCKDIRN LRFAHKPEGR TRRSIFENLM KYAFPVSNNL PLFAFEYKEV FPENGWKLYD PLLEYRRQGI PNESWRITKI NERYELCDTY PALLVVPANI PDEELKRVAS FRSRGRIPVL SWIHPESQAT ITRCSQPMVG VSGKRSEKED KYLQAIMDSN AQSHKIFIFD ARPSVNAVAN KAKGGGYESE DAYQNAELVF LDIHNIHVMR ESLRKLKEIV YPNIEETHWL SNLESTHWLE HIKLILAGAL RIADKVESGK TSVVVHCSDG WDRTAQLTSL AMLMLDGYYR TIRGFEVLVE KEWLSFGHRF QLRVGHGDKN HADADRSPVF LQFIDCVWQM TRQFPTAFEF NEYFLITILD HLYSCLFGTF LCNSEQQRGK ENLPKRTVSL WSYINSQLED FTNPLYGSYS NHVLYPVASM RHLELWVGYY IRWNPRMKPQ EPIHNRYKEL LAKRAELQKK VEELQREISN RSTSSSERAS SPAQCVTPVQ TVV
<b>Source</b>	E.coli
<b>Target Names</b>	MTMR2
<b>Protein Names</b>	Recommended name: Myotubularin-related protein 2 EC= 3.1.3.-
<b>Expression Region</b>	1-643
<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>	This gene is a member of the myotubularin family. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Multiple alternatively spliced transcript variants have been found for this gene.



---

**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.

---

**Shelf Life**

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.