



# Recombinant Human Myotubularin (MTM1)

<b>Product Code</b>	CSB-EP614418HU-B
<b>Abbreviation</b>	MTM1
<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>	Q13496
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MASASTSKYN SHSLENESIK RTSRDGVNRD LTEAVPRLPG ETLITDKEVI YICPFNGPIK GRVYITNYRL YLRSLETDSS LILDVPLGVI SRIEKMGGAT SRGENSYGLD ITCKDMRNLK FALKQEGHSR RDMFEILTRY AFPLAHSPLPL FAFLNEEKFN VDGWTVYNPV EEYRRQGLPN HHWRITFINK CYELCDTYPA LLVVPYRASD DDLRRVATFR SRNRIPVLSW IHPENKTVIV RCSQPLVGMS GKRNKDDEKY LDVIRETNKQ ISKLIYDAR PSVNAVANKA TGGGYESSDA YHNAELFFLD IHNIHVMRES LKKVKDIVYP NVEESHWLSS LESTHWLEHI KLVLGTAIQV ADKVSSGKSS VLVHCSDGWD RTAQLTSLAM LMLDSFYRSI EGFEILVQKE WISFGHKFAS RIGHGDKNHT DADRSPIFLQ FIDCVWQMSK QFPTAFEFNE QFLIIILDHL YSCRFGTFLF NCESARERQK VTERTVSLWS LINSNKEKFK NPFYTKEINR VLYPVASMRH LELWVNYIR WNPRIKQQQP NPVEQRYMEL LALRDEYIKR LEELQLANSA KLSDPPTSPS SPSQMMPHVQ THF
<b>Source</b>	E.coli
<b>Target Names</b>	MTM1
<b>Protein Names</b>	Recommended name: Myotubularin EC= 3.1.3.64
<b>Expression Region</b>	1-603
<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 encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy.
<b>Reconstitution</b>	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

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