



Recombinant Human Myotubularin (MTM1)

Product Code	CSB-MP614418HU
Abbreviation	MTM1
Storage	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.
Uniprot No.	Q13496
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MASASTSKYN SHSLENESIK RTSRDGVNRD LTEAVPRLPG ETLITDKEVI YICPFNGPIK GRVYITNYRL YLRSLETDSS LILDVPLGVI SRIEKMGGAT SRGENSYGLD ITCKDMRNL R FALKQEGHSR RDMFEILTRY AFPLAHSPL FAFLNEEKFN VDGWTVYNPV EEYRRQGLPN HHWRITFINK CYELCDTYPA LLVVPYRASD DDLRRVATFR SRNRIPVLSW IHPENKTVIV RCSQPLVGMS GKRNKDDEKY LDVIRETNKQ ISKLIYDAR PSVNAVANKA TGGGYESDDA YHNAELFFLD IHNIHVMRES LKKVKDIVYP NVEESHWLSS LESTHWLEHI KLVLTGAIQV ADKVSSGKSS VLVHCSGDWD RTAQLTSLAM LMLDSFYRSI EGFEILVQKE WISFGHKFAS RIGHGDKNHT DADRSPIFLQ FIDCVWQMSK QFPTAFEFNE QFLIILDHL YSCRFGTFLF NCESARERQK VTERTVSLWS LINSNKEKFK NPFYTKEINR VLYPVASMRH LELWVNYIR WNPRIKQQQP NPVEQRYMEL LALRDEYIKR LEELQLANSA KLSDPPTSPS SPSQMMPHVQ THF
Source	Mammalian cell
Target Names	MTM1
Protein Names	Recommended name: Myotubularin EC= 3.1.3.64
Expression Region	1-603
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
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

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