



# Recombinant Rat Myotubularin (Mtm1)

<b>Product Code</b>	CSB-EP734886RA-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>	Q6AXQ4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MASSASDCD AHPVERESMR KVSQDGVRQD MSKSGPRLPG ESAITDKEVI YICPFSGPVK GRLYITNYRL YLRSLETDLA PILDVPLGVI SRIEKMGGVT SRGENSYGLD ITCKDLRNLR FALKQEGHSR RDIFDVLTRH AFPLAYNLPL FAFVNEEKFK VDGWAIYNPV EEYRRQGLPD RHWRI SFVNQ RYELCDTYPA LLVVPYRASD DDLRRVATFR SRNRIPVLSW IHPENRAAIM RCSQPLVGVG GKRSRDDERY LDIIRETNKQ TSKLTIYDAR PGVNAVANKA TGGGYEGEDA YPHAELSFLD IHNIHVMRES LRRVRDIVYP HVEEAHWLSS LESTHWLEHI KLLLTGAIRV ADKVASGLSS VLVHCSDGWD RTAQLTTLAM LMLDGFYRSI EGFEILVQKE WISFGHKFSS RIGHGDKNHA DADRSPIFLQ FIDCVWQMTK QFPTAFEFNE CFLVAILDHL YSCRFGTFLN NCEAARERQR LAERTVSVWS LINSNKDEFT NPFYARES NR VIYPVTSVRH LELWVNYIR WNPRIRQQPH PMEQRYNELL ALRDDYIKKL EELQLATPTK LTDSSTPPSG SAQIAPRMQT HF
<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>	1-602
<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.



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