



# Recombinant Human Myotubularin-related protein 7 (MTMR7)

<b>Product Code</b>	CSB-MP896478HU
<b>Abbreviation</b>	MTMR7
<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>	Q9Y216
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEHIRTPKVENVRLVDRVSPKKAALGTLTLTATHVIFVENSPPDRKETWILHSQI STIEKQATTATGCPLLIRCKNFQIIQLIIPQERDCHDVYISLIRLARPVKYEELYCF SFNPMLDKEEREQGWVLIDLSEEYTRMGLPNHYWQLSDVNRDYRVCDYPT ELYVPKSATAHIIVGSSKFRSRRRFPVLSYYYKDNHASICRSSQPLSGFSARCL EDEQMLQAIRKANPGSDFVYVVDTRPKLNAMANRAAGKGYENEDNYSNIKFKQ FIGIENIHVMRNSLQKMLEVCELKSPSMSDFLWGLENSGWLRHIKAIMDAGIFIA KAVSEEGASVLVHCSGDGWDRTAQVCSVASLLLDPHYRTLKGFMLIEKDWISF GHKFNHRYGNLDGDPKEISPVIDQFIECVWQLMEQFPCAFEFNERFLIHQHHI YSCQFGNFLCNSQKERRELKIQERTYSLWAHLWKNRADYLNPLFRADHSQTQ GTLHLPTTPCNFMYKFWSGMYNRFEEKGMQPRQSVTDYLMVKEETQQLEEE LEALEERLEKIQKVQLNCTKVKSKQSEPSKHSFGFSTSDNSIANTPQDYSGNMK SFPSRSPSQGDEDSALILTQDNLKSSDPDLSANSQESGVEDLSCRSPSGGE HAPSEDSGKDRDSDEAVFLTA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	MTMR7
<b>Protein Names</b>	Recommended name: Myotubularin-related protein 7 EC= 3.1.3.-
<b>Expression Region</b>	1-660
<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 member of the myotubularin family of tyrosine/dual-specificity phosphatases. The encoded protein is characterized by four distinct domains that are conserved among all members of the myotubularin family: the glucosyltransferase, Rab-like GTPase activator and myotubularins domain, the Rac-induced recruitment domain, the protein tyrosine phosphatases and dual-specificity phosphatases domain and the suppressor of variegation 3-9,



enhancer-of-zeste, and trithorax interaction domain. This protein dephosphorylates the target substrates phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. A pseudogene of this gene is found on chromosome 5.

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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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