

Recombinant Full Length Human MTMR7 Protein, GST-tagged

Cat. No. MTMR7-6544HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTMR7 full-length ORF (ADR83108.1, 1 a.a. - 660 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	660 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	72.6 kDa
AA Sequence	MEHIRTPKVENVRLVDRVSPKKAALGTLYLTATHVIFVENSPDARKETWILHSQISTIE KQATTATGCPLLIRCKNFQIIQLIIPQERDCHDVYISLIRLARPVKYEELYCFSFNPMLD KEEREQGWVLIDLSEEYTRMGLPNHYWQLSDVNRDYRVCDSPTELYVPKSATAHII VGSSKFRSRRRFPVLSYYYYKDNHASICRSSQPLSGFSARCLEDEQMLQAIRKANPG

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SDFVYVVDTRPKLNAMANRAAGKGYENEDNYSNIKFQFIGIENIHVMRNSLQKMLEV
 CELKSPSMSDFLWGLENSGWLRIHAIKMDAGIFIAKAVSEEGASVLVHCSDGWDRT
 AQVCSVASLLLDPHYRTLKGFMVLEIKDWISFGHKFNHRYGNLDGDPKEISPVIDQFI
 ECVWQLMEQFPCAFEFNERFLIHQHHIYSCQFGNFLCNSQKERRELKIQERTYSLW
 AHLWKNRADYLNPLFRADHSQTQGTLHLPTTPCNFMYKFWSGMYNRFKGMQPR
 QSVTDYLMVKEETQQLEEELEALEERLEKIQKVQLNCTKVKSQSEPSKHSGFSTS
 DNSIANTPQDYSGNMKSFPSRSPSQGDEDSALILTQDNLKSSDPDLSANSQESGV
 EDLSCRSPSGGEHAPSEDSGKDRDSDEAVFLTA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[MTMR7 myotubularin related protein 7 \[Homo sapiens \]](#)

Official Symbol

[MTMR7](#)

Synonyms

MTMR7; myotubularin related protein 7

Gene ID

[9108](#)

mRNA Refseq

[NM_004686](#)

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Protein Refseq	NP_004677
MIM	603562
UniProt ID	Q9Y216

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