MTMR1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	MTMR1, Lysate
Full Product Name	Human MTMR1 Protein Lysate
Product Gene Name	MTMR1 lysate
Product Synonym Names	MTMR1; OTTHUMP00000025864; myotubularin-related protein 1; myotubularin related protein 1
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	63,330 Da
OMIM	300171
3D Structure	ModBase 3D Structure for Q13613
Related Product Information for MTMR1 lysate	Human MTMR1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of MTMR1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MTMR1 purchase	MBS8415612 is a lysate targeting MTMR1. Also known as Human MTMR1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTMR1. It may not necessarily be applicable to this product.

NCBI GI #	28872761
NCBI GeneID	8776
NCBI Accession #	NP_003819
UniProt Primary Accession #	Q13613
UniProt Secondary Accession #	Q9UBX6; Q9UEM0; Q9UQD5; A0A024RC07
UniProt Related Accession #	Q13613
GenBank Nucleotide #	NM_003828
NCBI Official Full Name	myotubularin-related protein 1
NCBI Official Synonym Full Names	myotubularin related protein 1
NCBI Official Symbol	MTMR1
UniProt Protein Name	Myotubularin-related protein 1
UniProt Synonym Protein Names	Phosphatidylinositol-3-phosphate phosphatase
UniProt Gene Name	MTMR1

UniProt Entry Name	MTMR1_HUMAN
NCBI Protein Information	myotubularin-related protein 1; phosphatidylinositol-3-phosphate phosphatase
UniProt Comments for MTMR1	MTMR1: Lipid phosphatase that acts on phosphatidylinositol 3- phosphate and phosphatidylinositol (3,5)-bisphosphate. Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.1.3.64; Carbohydrate Metabolism - fructose and mannose; Protein phosphatase, tyrosine (non-receptor); Phosphatase, lipid; Motility/polarity/chemotaxis; Cofactor and Vitamin Metabolism - thiamine; Cofactor and Vitamin Metabolism - riboflavin Chromosomal Location of Human Ortholog: Xq28 Cellular Component: cytoplasm; plasma membrane; cytosol Molecular Function: phosphatidylinositol-3-phosphatase activity; protein tyrosine phosphatase activity Biological Process: phospholipid metabolic process; phosphatidylinositol biosynthetic process; phosphoinositide dephosphorylation
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