Recombinant Human MTMR7 293 Cell Lysate

Cat. No. MTMR7-4073HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for myotubularin related protein 7 (MTMR7) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MTMR7 myotubularin related protein 7 [Homo sapiens]
Official Symbol	MTMR7
Gene ID	9108
mRNA Refseq	NM_004686.4
Protein Refseq	NP_004677.3
MIM	603562
UniProt ID	Q9Y216
Chromosome Location	8p22
Pathway	Fructose and mannose metabolism, organism-specific biosystem;Fructose and mannose metabolism, conserved biosystem;Metabolism, organism-specific biosystem;Metabolism of lipids and lipoproteins, organism-specific biosystem;PI Metabolism, organism-specific biosystem;Phospholipid metabolism, organism-specific biosystem;Synthesis of PIPs at the late endosome membrane, organism-specific biosystem;
Function	protein tyrosine phosphatase activity;

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