

Recombinant Human MTMR14 293 Cell Lysate

Cat. No. MTMR14-4076HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for myotubularin related protein 14 (MTMR14), transcript variant 2 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [MTMR14 myotubularin related protein 14 \[Homo sapiens \]](#)

Official Symbol MTMR14

Synonyms MTMR14; myotubularin related protein 14; C3orf29, chromosome 3 open reading frame 29; myotubularin-related protein 14; egg derived tyrosine phosphatase homolog (Drosophila); FLJ22405; FLJ90311; hEDTP; hJumpy; jumpy; NS5ATP4ABP1; egg-derived tyrosine phosphatase homolog; HCV NS5A-transactivated protein 4 splice variant A-binding protein 1; C3orf29; FLJ11546; FLJ46453;

Gene ID [64419](#)

mRNA Refseq [NM_001077525](#)

Protein Refseq [NP_001070993](#)

MIM [611089](#)

UniProt ID [Q8NCE2](#)

Chromosome Location 3p26

Pathway 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide

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degradation, conserved biosystem; D-myo-inositol-5-phosphate metabolism, organism-specific biosystem; D-myo-inositol-5-phosphate metabolism, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem;

Function

hydrolase activity; phosphatase activity; phosphatidylinositol-3-phosphatase activity; protein tyrosine phosphatase activity;

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