

Recombinant Mouse Mtmr2 Protein, Myc/DDK-tagged

Cat. No. Mtmr2-4217M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myotubularin related protein 2 (cDNA clone MGC:66658 IMAGE:5716297), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Phosphatase that acts on lipids with a phosphoinositol headgroup. Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate. Binds phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Stabilizes SBF2/MTMR13 at the membranes. Specifically in peripheral nerves, stabilizes SBF2/MTMR13 protein.
Molecular Mass	114.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 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

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Mtmr2 myotubularin related protein 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Mtmr2](#)

Synonyms Mtmr2; myotubularin related protein 2; 6030445P13Rik; myotubularin-related protein 2; phosphatidylinositol-3,5-bisphosphate 3-phosphatase; phosphatidylinositol-3-phosphate phosphatase; EC 3.1.3.64; EC 3.1.3.95

Gene ID [77116](#)

mRNA Refseq [NM_023858](#)

Protein Refseq [NP_076347](#)

UniProt ID [Q9Z2D1](#)

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