Recombinant Mouse Mtmr9 Protein, Myc/DDK-tagged

Cat. No. Mtmr9-4220M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myotubularin related protein 9 (Mtmr9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as an adapter for myotubularin-related phosphatases. Increases lipid phosphatase MTMR6 catalytic activity, specifically towards phosphatidylinositol 3,5-bisphosphate, and MTMR6 binding affinity for phosphorylated phosphatidylinositols. Positively regulates lipid phosphatase MTMR7 catalytic activity. The formation of the MTMR6-MTMR9 complex, stabilizes both MTMR6 and MTMR9 protein levels. Plays a role in the late stages of macropinocytosis possibly by regulating MTMR6-mediated dephosphorylation of phosphatidylinositol 3-phosphate in membrane ruffles. Negatively regulates DNA damage-induced apoptosis, in part via its association with MTMR6. Does not bind mono-, di- and tri-phosphorylated phosphatidylinositols, phosphatidic acid and phosphatidylserine.
Molecular Mass	63.4 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mtmr9 myotubularin related protein 9 [Mus musculus (house mouse)]
Official Symbol	Mtmr9
Synonyms	MTMR9; myotubularin related protein 9; myotubularin-related protein 9; MTMR8; mMTMH3; AA516943; AF073881; LIP-STYX; 9430075G12Rik; MGC54783
Gene ID	210376
mRNA Refseq	NM_177594
Protein Refseq	NP_808262
UniProt ID	Q9Z2D0

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