

Product datasheet for **TP508680**

Mtmr9 (NM_177594) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myotubularin related protein 9 (Mtmr9), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208680 representing NM_177594 Red =Cloning site Green =Tags(s)

MEFAELIKTPRVDNVVLRPFYTAVEGTLCLTGHHLLSSRQDNTEELWLLHSNIDAIDKRFVGS LGTII
IKCKDFRIIQLDIPGMEECLNIASSIEALSTLDSVTLMYPFFYRPMFEVIEDGWHSFLPEQEFEFYSSAT
SEWRLSYINKDFSICPSYPPTVIVPKSVDDALRKVAEFRHGGRFPVLSYYHKKNGMVMRSGQPLTGTN
GRRCKEDEKLINATLRAGKRGYLIDTRSLNVAQQARAKGGGFEQEAHYPQWRRIHKSERYHVLQESLIK
LVEACNEQTHNMDRWLGKLEASNWLTHIKEILTTACLAACIDREGASVLIHGTEGTDSTLQVTS LAQII
LEPRSRTIRGFREALIEREWLQAGHPFQQRCAQSAYCSSKQKWEAPVLLFLDCVWQILRQFPCSFENEH
FLIMLFEHAYASQFGTFLGNNESERCKLKLQKQKMSLWSWVNRPGELSKFTNPLFEANNLVIWPSVAPQS
LQLWEGIFLRWSRSKYLDEAYEEMVNIIEYNKELQAKVNVLRRQLAELETEDGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	63.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_808262</u>



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Locus ID: 210376

UniProt ID: [Q9Z2D0](#)

RefSeq Size: 2457

Cytogenetics: 14 D1

RefSeq ORF: 1635

Synonyms: 9430075G12Rik; AA516943; AF073881; LIP-STYX; mMTMH3; MTMR8

Summary: Acts as an adapter for myotubularin-related phosphatases (PubMed:12890864). Increases lipid phosphatase MTMR6 catalytic activity, specifically towards phosphatidylinositol 3,5-bisphosphate, and MTMR6 binding affinity for phosphorylated phosphatidylinositols (By similarity). Positively regulates lipid phosphatase MTMR7 catalytic activity (PubMed:12890864). The formation of the MTMR6-MTMR9 complex, stabilizes both MTMR6 and MTMR9 protein levels (By similarity). Plays a role in the late stages of macropinocytosis possibly by regulating MTMR6-mediated dephosphorylation of phosphatidylinositol 3-phosphate in membrane ruffles (By similarity). Negatively regulates DNA damage-induced apoptosis, in part via its association with MTMR6 (By similarity). Does not bind mono-, di- and tri-phosphorylated phosphatidylinositols, phosphatidic acid and phosphatidylserine (By similarity).
[UniProtKB/Swiss-Prot Function]