

Product datasheet for **TP508990**

Mtmt2 (BC063050) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myotubularin related protein 2 (cDNA clone MGC:66658 IMAGE:5716297), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208990 representing BC063050 Red =Cloning site Green =Tags(s)

MVSEFPGPSRVPWRPRDEALRVNVGGVRRLLSARALARFPGTRLGRLQAAASEEQARRLCDDYDAAAHE
FYFDRHPGFFLGLLHFYRTGHLHVLDELVCVAFGQEADYWGLGENALATCCRARYLERRVARPRAWDEDS
DAPSSVDPCPDEISDVQRELARYGAARCGRLRRRLWLTMENPGYSLPSKLFSCVSGVVLASIAAMCIHS
LPEYQAREAAAAVAAVAAGRSAEEVRDDPVLRRLEFYFCIAWFSFEVSSRLLLAPSTRNFFCHPLNLIDIV
SVLPFYLTLLAGAALGDQRGASGEELGDLGKVVQVFRMLRIFRVLKLARHSTGLRSLGATLKHSYREVGI
LLLYLAVGVSVFSGVAYTAEENEFGHTIPACWWWGTVSMTTVGYGDVVPETVGGKLAASGCILGGILV
ALPITIIFNKFSHFYRRQKALEAAVRSSGQREFEDLLSSVDGVSDVSLETSRDTSQEGRSTDLETQAPRE
PAKSHSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	114.5 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.



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Locus ID:	77116
UniProt ID:	Q9Z2D1
RefSeq Size:	3125
Cytogenetics:	9 A1
RefSeq ORF:	1491
Synonyms:	6030445P13Rik
Summary:	Phosphatase that acts on lipids with a phosphoinositol headgroup (PubMed:12045210, PubMed:16399794). Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate (PubMed:12045210, PubMed:16399794). Binds phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate (PubMed:12045210, PubMed:16399794). Stabilizes SBF2/MTMR13 at the membranes (PubMed:23297362). Specifically in peripheral nerves, stabilizes SBF2/MTMR13 protein (PubMed:23297362). [UniProtKB/Swiss-Prot Function]