

Product datasheet for **TP503749**

M6pr (NM_010749) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mannose-6-phosphate receptor, cation dependent (M6pr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203749 protein sequence Red =Cloning site Green =Tags(s)
	 MFPFSGCWRETELLLLLLLAVAVRESWQIEEKSCDLVGEKDKESKNEVALLERLRPLFNKSFESTVGGQSD TYSYIFRVCREASNHSSGAGLVQINKSNDKETVGRINETHIFNGSNWIMLIYKGGDEYDNHCGKEQRRR VVMISCNRHTLAANFNPVSEERGKVDYLFEMDSSLACSPVSHLSVGSILLVIFASLVAVYIIGGFL YQRLVVGAKGMEQFPHLAFWQDLGNLVADGCFVCRSKPRNVPAAYRGVGGDDQLGEESEERDDHLLPM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	31.2 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:	NP_034879
Locus ID:	17113
UniProt ID:	P24668 , Q3UKQ5
RefSeq Size:	2258



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Cytogenetics: 6 57.52 cM

RefSeq ORF: 837

Synonyms: CD-MPR; Mpr46

Summary: Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex.[UniProtKB/Swiss-Prot Function]