

Recombinant Mouse M6pr Protein, Myc/DDK-tagged

Cat. No. M6pr-3888M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mannose-6-phosphate receptor, cation dependent (M6pr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	31.2 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

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

GENE INFORMATION

Gene Name	M6pr mannose-6-phosphate receptor, cation dependent [Mus musculus (house mouse)]
Official Symbol	M6pr
Synonyms	M6PR; mannose-6-phosphate receptor, cation dependent; cation-dependent mannose-6-phosphate receptor; MPR 46; CD Man-6-P receptor; 46 kDa mannose 6-phosphate receptor; Mpr46; CD-MPR
Gene ID	17113
mRNA Refseq	NM_010749
Protein Refseq	NP_034879
UniProt ID	P24668

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