Recombinant Human M6PR, Fc-tagged, Biotinylated

Cat. No. M6PR-637H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human M6PR-Fc is expressed as a 387 amino acid protein consisting of Thr27 - Glu182 region of M6PR (UniProt #P20645) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	27-182 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Molecular Mass	Calculated molecular mass 43.3 kDa; estimated by SDS-PAGE under reducing condition 55-60 kDa probably due to glycosylation
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw

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	cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	M6PR mannose-6-phosphate receptor (cation dependent) [Homo sapiens]
Official Symbol	M6PR
Synonyms	M6PR; mannose-6-phosphate receptor (cation dependent); cation-dependent mannose-6-phosphate receptor; Mr 46,000 Man6PR; CD Man-6-P receptor; small mannose 6-phosphate receptor; 46-kDa mannose 6-phosphate receptor; SMPR; MPR46; CD-MPR; MPR 46; MPR-46; FLJ32994;
Gene ID	4074
mRNA Refseq	NM_001207024
Protein Refseq	NP_001193953
MIM	154540
UniProt ID	P20645
Chromosome Location	12
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Lysosome Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;

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	Phagosome, organism-specific biosystem; Phagosome, conserved biosystem;
Function	mannose binding; mannose transmembrane transporter activity; receptor activity; transmembrane signaling receptor activity;

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