

Recombinant Human M6PR, His-tagged

Cat. No. M6PR-29239TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: MFPFYSCWRT GLLLLLLAVA VRESWQTEEK TCDLVGEGKGK ESEKELALVK RLKPLFNKSF, corresponding to N terminal amino acids 1-60 of Human Mannose 6 Phosphate Receptor fused to a His tag, 12kDa.
Species	Human
Source	E.coli
ProteinLength	1-60 a.a.
Description	This gene encodes a member of the P-type lectin family. P-type lectins play a critical role in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The encoded protein functions as a homodimer and requires divalent cations for ligand binding. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X.
Conjugation	HIS
Form	Liquid
Storage buffer	Preservative: None Constituents: PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids MFPFYSCWRTGLLLLLLAVAVRESWQTEEKTCDLVGEKKGKESEKELALVKRLKPLFN
KSF

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;

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;

Function mannose binding; mannose transmembrane transporter activity; receptor activity; transmembrane signaling receptor activity;

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