

Recombinant Human M6PR Protein, His tagged

Cat. No. M6PR-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human M6PR Protein (27-185 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-185 aa
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.
Molecular Mass	19 kDa
AASequence	TEEKTCDLVGEKGKSEKELALVKRLKPLFNKSFESTVGQGSPTYIYIFRVCREAGN HTSGAGLVQINKSNGKETVVGRLNETHIFNGSNWIMLIYKGGDEYDNHCGKEQRRR VVMISCNRHTLADNFPVSEERGKVQDCFYLFEMDSSLACSPESHSHHHHHHHH
Purity	> 90% by SDS-PAGE

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from PBS, pH 7.4, 5% Trehalose, 5% Mannitol
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution > 0.1 mg/mL.

GENE INFORMATION

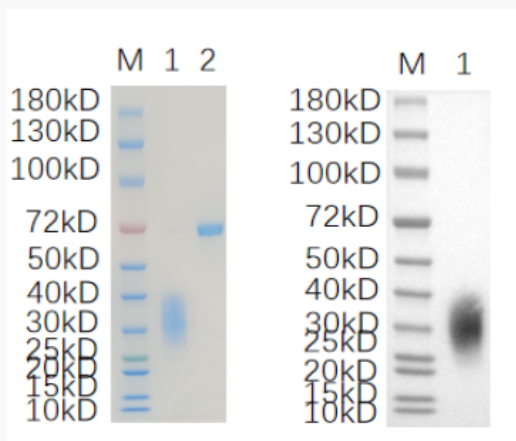
Gene Name	M6PR mannose-6-phosphate receptor, cation dependent [Homo sapiens (human)]
Official Symbol	M6PR
Synonyms	M6PR; mannose-6-phosphate receptor (cation dependent); cation-dependent mannose-6-phosphate receptor; Mr 46,000 Man6PR; CD Man-6-P receptor; small mannose 6-phosphate receptor; 46-kDa mannose 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

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SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified M6PR 1. M6PR: 1 μ g 2. BSA: 1 μ g