

M6PR recombinant protein

M6PR, 27-185aa, Human, His tag, E Coli

CATALOG # AAA48858	HOST E Coli	APPLICATIONS SDS-Page
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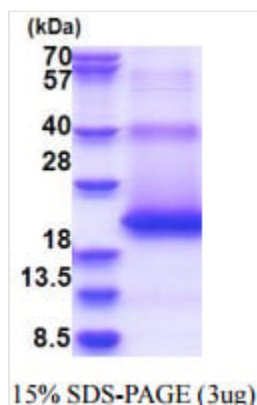
PRODUCT SYNONYMS

M6PR; 27-185aa; Human; His tag; E Coli; Cation-dependent mannose-6-phosphate receptor isoform 1; CD-MPR; MPR 46; MPR-46; MPR46; SMPR; M6PR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSTEEKTCD LVGEKGKESE KELALVKRLK PLFNKSFEST VGQGSPTYIY IFRVCREAGN HTSGAGLVQI NKSNGKETVV GRLNETHIFN GSNWIMLIYK GGDEYDNHCG KEQRRVVM I SCNRHTLADN FNPVSEERGK VQDCFYLFEM DSSLACSP E I SH
Sequence Length	277
Applicable Applications for M6PR recombinant protein	SDS-PAGE
Domain	27-185aa
Tags	His-Tag
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for M6PR recombinant protein	M6PR is 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. This 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. Recombinant human M6PR protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques..
Product Categories/Family for M6PR recombinant protein	Immunology
References	Prabakaran T, Nielsen R., et al. (2012) PLoS One. 2012;7 (6):e39975.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505061
NCBI GeneID	4074
NCBI Accession #	NP_002346
NCBI GenBank Nucleotide #	NM_002355.3
UniProt Accession #	P20645 ; A8K528 ; D3DUV5
Molecular Weight	20.3kDa (182aa) confirmed by MALDI-TOF
NCBI Official Full Name	cation-dependent mannose-6-phosphate receptor isoform 1
NCBI Official Synonym Full Names	mannose-6-phosphate receptor, cation dependent
NCBI Official Symbol	M6PR
NCBI Official Synonym Symbols	SMPR; MPR46; CD-MPR; MPR 46; MPR-46; CD-M6PR
NCBI Protein Information	cation-dependent mannose-6-phosphate receptor
UniProt Protein Name	Cation-dependent mannose-6-phosphate receptor
UniProt Gene Name	M6PR
UniProt Synonym Gene Names	MPR46; MPRD; CD Man-6-P receptor; CD-MPR; MPR 46

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.