

Product datasheet for **AR51495PU-S**

M6PR (27-185, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	M6PR (27-185, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTEEKTCD LVGEKKGKESKELALVKRLK PLFNKSFEST VGQGSPTYIY IFRVCREAGN HTSGAGLVQI NKSNGKETVV GRLNETHIFN GSNWIMLIYK GGDEYDNHCG KEQRRVVM I SCNRHTLADN FNPVSEER GK VQDCFYLFEM DSSLACSPEI SH
Tag:	His-tag
Predicted MW:	20.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human M6PR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques..
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001193953
Locus ID:	4074
UniProt ID:	F5GX30
Cytogenetics:	12p13.31
Synonyms:	CD-M6PR; CD-MPR; MPR-46; MPR 46; MPR46; SMPR



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Summary:

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. [provided by RefSeq, May 2011]

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Lysosome

Product images: