Recombinant Human M6PR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. M6PR-4216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	M6PR MS Standard C13 and N15-labeled recombinant protein (NP_002346) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	31 kDa
AA Sequence	MFPFYSCWRTGLLLLLLAVAVRESWQTEEKTCDLVGEKGKESEKELALVKRLKPLFN KSFESTVGQGSDTYIYIFRVCREAGNHTSGAGLVQINKSNGKETVVGRLNETHIFNG SNWIMLIYKGGDEYDNHCGKEQRRAVVMISCNRHTLADNFNPVSEERGKVQDCFYL FEMDSSLACSPEISHLSVGSILLVTFASLVAVYVVGGFLYQRLVVGAKGMEQFPHLA FWQDLGNLVADGCDFVCRSKPRNVPAAYRGVGDDQLGEESEERDDHLLPMTRTR PLEQKLISEEDLAANDILDYKDDDDKV

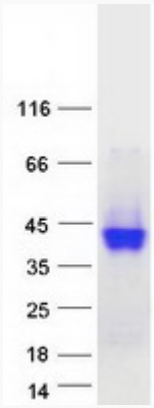
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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_002355
Protein Refseq	NP_002346
MIM	154540
UniProt ID	P20645

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA