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Product Information

MemDX™ Membrane Protein Human M6PR (Mannose-6-phosphate receptor, cation dependent) for Antibody Discovery

Cat. No.: **MP0658J**
This product is for research use only and is not intended for diagnostic use.

This product is a 27.9 kDa Human M6PR membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
M6PR

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
27.9 kDa

TMD
1

Sequence
MFPFYSCWRTGLLLLLLAVAVRESWQTEEKTCDLVGEKGKESEKELALVKRLKPLFNKSFESTVGQGSDT
YIYIFRVCREAGNHTSGAGLVQINKSNGKETVVGRLNETHIFNGSNWIMLIYKGGDEYDNHCGKEQRRAV
VMISCNRHTLADNFNPVSEERGKVQDCFYLFEMDSSLACSPEISHLSVGSILLVTFASLVAVYVVGGFLY
QRLVVGAKGMEQFPHLAFWQDLGNLVADGCDFVCRSKPRNVPAAYRGVGDDQLGEESEERDDHLLPM

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

M6PR

Full Name

Mannose-6-phosphate receptor, cation dependent

Introduction

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.

Alternative Names

CD-M6PR; CD-MPR; MPR-46; MPR 46; MPR46; SMPR

Gene ID

4074

UniProt ID

P20645

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