

M6PR (1-60) Human

Mannose-6-Phosphate Receptor (1-60) Human Recombinant

RCP1291

Product Overview

Name	M6PR (1-60) Human
Accession(Primary)	P20645
Description	Mannose-6-Phosphate Receptor (1-60) Human Recombinant

Target information (P20645)

Gene Name

About Gene Symbol

Background

Mannose-6-Phosphate Receptor (M6PR) is a part of the P-type lectin family. P-type lectins have an important part in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The M6PR protein plays a role as a homodimer and needs divalent cations for ligand binding. Lysosomal enzymes carrying phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the ensuing receptor-ligand complex is transferred to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex.