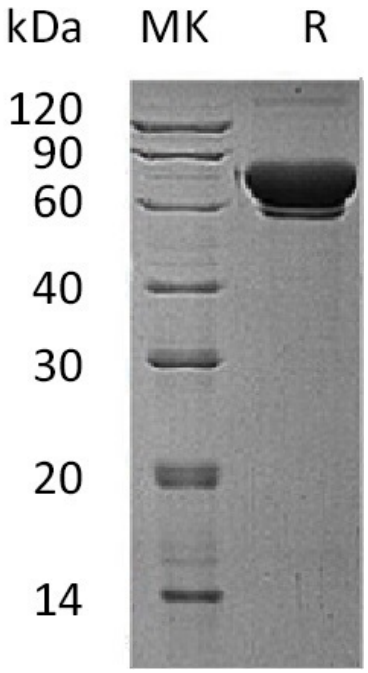
Product Name: Recombinant Human MAN1B1 (C-6His)
Catalog #: PHH1129

Summary

Name	MAN1B1/Mannosidase alpha class 1B member 1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Endoplasmic Reticulum Mannosyl-Oligosaccharide 1,2-α-Mannosidase/MAN1B1 is produced by our Mammalian expression system and the target gene encoding Asp106-Ala699 is expressed with a 6His tag at the C-terminus.
Accession #	Q9UKM7
Host	Human Cells
Species	Human
Predicted Molecular Mass	68.7 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 50 mM NaCl, 5% Sucrose, 5% Mannitol, 0.05% Tween 80, pH8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤ -70℃, stable for 6 months after receipt. Store at ≤ -70℃, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human MAN1B1 (C-6His)
Catalog #: PHH1129



Alternative Names

Endoplasmic Reticulum Mannosyl-Oligosaccharide 1; 2-Alpha-Mannosidase; ER Alpha-1; 2-Mannosidase; ER Mannosidase 1; ERMan1; Man9GlcNAc2-Specific-Processing Alpha-Mannosidase; Mannosidase Alpha Class 1B Member 1; MAN1B1

Background

Endoplasmic Reticulum Mannosyl-Oligosaccharide 1,2-α-Mannosidase (MAN1B1) belongs to the glycosyl hydrolase 47 family. MAB1B1 is a single-pass type II membrane protein and widely expressed in many tissues. MAB1B1 is involved in glycoprotein quality control targeting of misfolded glycoproteins for degradation. MAB1B1 can be inhibited by both 1-deoxymannojirimycin (dMNJ) and kifunensine. Defects in MAN1B1 are the cause of mental retardation autosomal recessive type 15 (MRT15). Mental retardation is characterized by significantly below average general intellectual functioning, it is also associated with impairments in adaptative behavior and manifested during the developmental period.

Note

For Research Use Only , Not for Diagnostic Use.