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Datasheet for ABIN7318446 **MAN1B1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	MAN1B1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAN1B1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MAN1B1 Protein (His Tag)
Sequence:	Asp106-Ala699
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MAN1B1
Alternative Name:	MAN1B1 (MAN1B1 Products)
Background:	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

Target Details

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.

Synonym: 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

Molecular Weight:	68.7 kDa
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UniProt:	Q9UKM7
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM TrisHCL, 10 mM reduced Glutathione, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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