

[Go to Product page](#)

Datasheet for ABIN7318922

POMGNT1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	POMGNT1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMGNT1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human POMGNT1 Protein (His Tag)
Sequence:	Leu59-Thr660
Characteristics:	Recombinant Human Protein O-Linked-Mannose beta-1 2-N-Acetylglucosaminyltransferase 1 is produced by our Mammalian expression system and the target gene encoding Leu59-Thr660 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	POMGNT1
Alternative Name:	POMGNT1 (POMGNT1 Products)
Background:	Background: Protein O-Linked-Mannose β -1 2-N-Acetylglucosaminyltransferase 1 (POMGNT1) belongs to the Glycosyltransferase 13 family. Amino acid residues between 299-311 are

Target Details

important for both protein expression and enzymatic activity. The minimal catalytic domain is located between positions 299-651. It is suggested that the stem domain of the soluble form is unnecessary for activity, but that some amino acids play a crucial role in the membrane-bound form. Defects in POMGNT1 are the cause of muscular dystrophy-dystroglycanopathy congenital with brain and eye anomalies type A3 (MDDGA3).

Synonym: Protein O-Linked-Mannose Beta-1,2-N-Acetylglucosaminyltransferase 1, POMGnT1, UDP-GlcNAc:Alpha-D-Mannoside Beta-1,2-N-Acetylglucosaminyltransferase I.2,POMGNT1, MGAT1.2

Molecular Weight:	69.3 kDa
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UniProt:	Q8WZA1
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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 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.5.
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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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