

Active Recombinant Human POMGNT1, His-tagged

Cat. No. POMGNT1-289H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POMGNT1 (Accession # AAH01471) Ser66-Thr660, fused with an N-terminal human CD33 signal sequence and a C-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	66-660 a.a.
Predicted N Terminal	Ser66
Form	Supplied as a 0.2 µ filtered solution in Tris, NaCl and Glycerol.
Bio-activity	Measured by its ability to transfer N-Acetyl-D-glucosamine from UDP-GlcNAc to Methyl-alpha -D-mannopyranoside. The specific activity is >500 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human POMGNT1, His-tagged has a calculated MW of 68 kDa. In SDS-PAGE migrates as 65-80 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name	POMGNT1 protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase [Homo sapiens]
Official Symbol	POMGNT1
Synonyms	POMGNT1; protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase; protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1; FLJ20277; MGAT1.2; protein O mannose beta 1; 2 N acetylglucosaminyltransferase; UDP-GlcNAc:alpha-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I.2; MEB; GNTI.2; MDDGA3; MDDGB3; MDDGC3; GnT I.2; gnT-I.2; DKFZp761B182;
Gene ID	55624
mRNA Refseq	NM_001243766
Protein Refseq	NP_001230695
MIM	606822
UniProt ID	Q8WZA1
Chromosome Location	1p34.1

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