

## 32-7576: Recombinant Human POMGNT1 (C-6His)(Discontinued)

**Gene :** POMGNT1

**Gene ID :** 55624

**Uniprot ID :** Q8WZA1

### Description

Source: Human Cells.

MW :69.3kD.

Recombinant Human POMGNT1 is produced by our Mammalian expression system and the target gene encoding Leu59-Thr660 is expressed with a 6His tag at the C-terminus. Protein O-Linked-Mannose beta-1 2-N-Acetylglucosaminyltransferase 1 (POMGNT1) belongs to the Glycosyltransferase 13 family. Amino acid residues between 299-311 are 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).

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.5.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** LDTRRAISEANEDPEPEQDYDEALGRLEPPRRRGSGPRRVLDVEVYSSRSKVYVAVDGTTVLEDEAREQGRGI  
HVIVLNQATGHVMAKRVDFTYSPHEDEAMVLFNLMVAPGRVLICTVKDEGSFHLKDTAKALLRSLGSQAGPAL  
GWRDTWAFVGRKGGPVFGEKHSKSPALSSWGDVLLKTDVPLSSAVEAECHWADTELNRRRRRFCSKVEGY  
GSVCCKDPTPIEFSPDPLDNKVLNVPVAVIAGNRPNLYRMLRSLLSAQGVSPQMITVFIDGYEYEPMDVVAL  
FGLRGIQHTPISIKNARVSQHYKASLTATFNLFPEAKFAVVLEEDLDIAVDFFSFLSQSIHLLEEDDSLYCISAWND  
QGYEHTAEDPALLYRVETMPGLGWVLRSLYKEELEPKWPTPEKLWDWDMWMMRMPEQRRGREGCIIPDVSRSY  
HFGIVGLNMNGYFHEAYFKKHKFNTPVPGVQLRNVDLKEAYEVEVHRLLEAEVLDHSKNPCEDSFLPDTEG  
HTYVAFIRMEKDDDDFTTWTQLAKCLHIWDLVDRGNHRGLWRLFRKKNHFLVVGVPASPYSVKKPPSVTPIFLEP  
PPKEEGAPGAPEQTVDDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.