## 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 Leu59Thr660 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 membranebound form. Defects in POMGNT1 are the cause of muscular dystrophy-dystroglycanopathy congenital with brain and eye anomalies type A3 (MDDGA3).

## Product Info

## Amount :

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10 \mu \mathrm{~g} / 50 \mu \mathrm{~g}
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Content : $\quad$ Supplied as a $0.2 \mu \mathrm{~m}$ filtered solution of 20 mM TrisHCl, $150 \mathrm{mM} \mathrm{NaCl}, 10 \%$ Glycerol, pH 8.5 .

Storage condition :
Amino Acid :

Store at $-20^{\circ} \mathrm{C}$, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
LDTRRAISEANEDPEPEQDYDEALGRLEPPRRRGSGPRRVLDVEVYSSRSKVYVAVDGTTVLEDE AREQGRGIHVIVLNQATGHVMAKRVFDTYSPHEDEAMVLFLNMVAPGRVLICTVKDEGSFHLKDTA KALLRSLGSQAGPALGWRDTWAFVGRKGGPVFGEKHSKSPALSSWGDPVLLKTDVPLSSAVEAE CHWADTELNRRRRRFCSKVEGYGSVCSCKDPTPIEFSPDPLPDNKVLNVPVAVIAGNRPNYLYRM LRSLLSAQGVSPQMITVFIDGYYEEPMDVVALFGLRGIQHTPISIKNARVSQHYKASLTATFNLFPEA KFAVVLEEDLDIAVDFFSFLSQSIHLLEEDDSLYCISAWNDQGYEHTAEDPALLYRVETMPGLGWVL RRSLYKEELEPKWPTPEKLWDWDMWMRMPEQRRGRECIIPDVSRSYHFGIVGLNMNGYFHEAYF KKHKFNTVPGVQLRNVDSLKKEAYEVEVHRLLSEAEVLDHSKNPCEDSFLPDTEGHTYVAFIRMEK DDDFTTWTQLAKCLHIWDLDVRGNHRGLWRLFRKKNHFLVVGVPASPYSVKKPPSVTPIFLEPPPK EEGAPGAPEQTVDHHHHHH

## Application Note

Endotoxin : Less than $0.1 \mathrm{ng} / \hat{A} \mu \mathrm{~g}$ ( $1 \mathrm{IEU} / \hat{A} \mu \mathrm{~g}$ ) as determined by LAL test.

