

Recombinant Human POMGNT1 Protein(C-6His)

Cat.NO.: TP05912

3th Edition

Synonyms: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

Description:Protein O-Linked-Mannose ?-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).

Form:PBS

Molecular Weight:69.3 kDa

Sequences:Leu59-Thr660

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.