Data Sheet (Cat.No.TMPJ-01223)

TargetMol

GALNTL1 Protein, Human, Recombinant (His)

General Information

Synonyms:	UDP-GalNAc:Polypeptide N-;Polypeptide GalNAc Transferase-Like Protein 1;GalNAc-T-Like Protein 1;Protein-UDP Acetylgalactosaminyltransferase-Like Protein 1;pp-GaNTase-Like Protein 1;Putative Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 1
Protein Construction:	Asp27-Thr558
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q8N428
Molecular Weight:	62-65 KDa (reducing condition)
AA Sequence:	Asp27-Thr558

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Putative polypeptide N-acetylgalactosaminyltransferase-like protein 1, also known as Polypeptide GalNAc transferase-like protein 1, Protein-UDP acetylgalactosaminyltransferase-like protein 1, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase-like protein 1, GalNAC-T-like protein 1, pp-GaNTase-like protein 1 and GALNTL1, belongs to the glycosyltransferase 2 family. GALNTL1 plays an important role in the protein modification and protein glycosylation process. GALNTL1 uses the manganese and calcium ion as a cofactor, may catalyze the initial reaction in O-linked oligosaccharide biosynthesis, transfers the N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor.

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