

## Recombinant Human GALNTL1 Protein (His Tag)

Catalog No. PKSH032478

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Synonyms</b>	Putative Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 1; Polypeptide GalNAc Transferase-Like Protein 1; GalNAc-T-Like Protein 1; pp-GaNTase-Like Protein 1; Protein-UDP Acetylgalactosaminyltransferase-Like Protein 1; UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 1; GALNTL1; KIAA1130
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Asp27-Thr558
<b>Accession</b>	Q8N428
<b>Calculated Molecular Weight</b>	61.0 kDa
<b>Observed molecular weight</b>	62-65 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
<b>Reconstitution</b>	Not Applicable

### 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.

### For Research Use Only