



Recombinant Protein Technical Manual

Recombinant Human GALNT7 Protein (His Tag)

RPES5087

Product Data:

Product SKU: RPES5087

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q86SF2

Protein Information:

Molecular Mass: 73.2 kDa

AP Molecular Mass: 72 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: 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.

Formulation: Supplied as a 0.2 µm filtered solution of 50mM TrisHCl, 10mM reduced Glutathione, PH8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: PolypeptideGalNAc-transferase7;Protein-UDP acetylgalactosaminyltransferase7;UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7; GALNT7.

Immunogen Information:

Sequence: Pro30-Val657

Background:

N-acetylgalactosaminyltransferase 7 (GALNT7) is expressed in uterus, retina, kidney, small intestine, omentum, stomach and CNS. It belongs to the glycosyltransferase 2 family and galNAc-T subfamily. The enzyme encoded by this gene controls the initiation step of mucin-type O-linked protein glycosylation and transfer of N-acetylgalactosamine to serine and threonine amino acid residues. This enzyme is a type II transmembrane protein and shares common sequence motifs with other family members. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation.