



Recombinant Protein Technical Manual  
Recombinant Human GALNT2/GalNAc-T2 Protein  
(His Tag)  
RPES4125

Product Data:

**Product SKU:** RPES4125

**Size:** 20µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_004472.1

Protein Information:

**Molecular Mass:** 61.6 kDa

**AP Molecular Mass:** 57-65 & 46 kDa

**Tag:** N-His

**Bio-activity:**

**Purity:** (94.8+3.9) % as determined by reducing SDS-PAGE.

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

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile 25 mM Tris, 150 mM NaCl, 0.05% Brij-35, pH 7.5

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

**Application:**

**Synonyms:** GalNAc-T2

## Immunogen Information:

**Sequence:** Lys52-Gln571

## Background:

GALNT2, also known as GalNAc-T2, is a member of the GalNAc-transferases family. Members of this family transfer an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. GALNT2 may play a role in lipid metabolism. It catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. GALNT2 has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b.