

## GALNT10 Protein, Human, Recombinant (His)

### General Information

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|-----------------------|--|
| Synonyms:             | GALNACT10;PPGANTASE10;polypeptide N-acetylgalactosaminyltransferase 10;PPGALNACT10   |
| Protein Construction: | A DNA sequence encoding the human GALNT10 (NP_938080.1) (Thr39-Asn603) was expressed with an N-terminal polyhistidine tag. Predicted N terminal: His |
| Species:              | Human  |
| Expression Host:      | HEK293 Cells   |
| Accession:            | Q86SR1   |
| Molecular Weight:     | 67 kDa (predicted); 63.5 kDa (reducing condition, due to glycosylation)  |

### QC Testing

|                      |  |
|----------------------|--|
| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.   |
| Purity:              | > 90 % as determined by SDS-PAGE   |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.  |
| Formulation:         | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

### Preparation and Storage

**Reconstitution:**  
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

**Stability & Storage:**  
It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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:**  
In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Ectopic expression and knockdown studies showed that GALNT10 indeed promotes proliferation and apoptosis resistance of hepatoma cells in a glycosyltransferase-dependent manner. The genetic variants on LEKR1 and GALNT10 genes have been associated with control of adiposity and weight.

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