

## Recombinant Human GALNT7 Protein, GST-tagged

Cat. No. GALNT7-4706H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Human GALNT7 full-length ORF ( AAH46129.1, 1 a.a. - 657 a.a.) recombinant protein with GST-tag at N-terminal.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | <p>This gene encodes GalNAc transferase 7, a member of the GalNAc-transferase family. 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. Unlike other family members, this enzyme shows exclusive specificity for partially GalNAc-glycosylated acceptor substrates and shows no activity with non-glycosylated peptides. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation. [provided by RefSeq]</p> |
| <b>Molecular Mass</b>   | 101.8 kDa   |
| <b>AA Sequence</b>      | <p>MRLKIGFILRSLLVVGSLGLVVLWSSLTPRPDDPSPLSRMREDRDVNDPMPNRGG<br/> NGLAPGEDRFKPVVPWPHVEGVEVDLESIRRINKAKNEQEHHAGGDSQKDIMQRQ<br/> YLTFKPQTFTYHDPVLRPGILGNFEPKEPEPPGVVGGPGEKAKPLVLGPEFKQAIQA<br/> SIKEFGFNMVASDMISLDRSVNDRQEECKYWHYDENLLTSSVVIVFHNEGWSTLM<br/> RTVHSVIKRTPRKYLAEIVLIDDFSNKEHLKEKLDEYIKLWNGLVKVFERNERREGLIQA</p>   |

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RSIGAQKAKLGQVLIYLDACEVAVNWYAPLVAPISKDRITICTVPLIDVINGNTYEIIPQ  
GGGDEDGYARGAWDWSMLWKRVP LTPQEKR LRKTKTEPYRSPAMAGGLFAIERE  
FFFELGLYDPGLQIWGGENFEISYKIWQC GGKLLFVPCSRVGHYRLEGWQGNPPPI  
YVGSPTLKNYVRVVEVWWDEYKDYFYASRPESQALPYGDISELKKFREDHNCKSF  
KWFMEEIAYDITSHYPLPPKNVDWGEIRGFETAYCIDSMGKTNGGFVELGPCHRMG  
GNQLFRINEANQLMQYDQCLTKGADGSKVMITHCNLNEFKEWQYFKNLHRFTHIPS  
GKCLDRSEVLHQVFISNCDSSKTTQKWEMNNIHSV

|                       |   |
|-----------------------|---|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.  |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.  |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.  |

## GENE INFORMATION

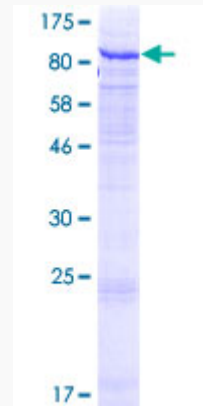
|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | GALNT7 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7) [ Homo sapiens ] |
| <b>Official Symbol</b> | GALNT7   |
| <b>Synonyms</b>        | GalNAcT7; GALNAC-T7  |
| <b>Gene ID</b>         | 51809  |
| <b>mRNA Refseq</b>     | NM_017423  |

**Protein Refseq** NP\_059119

**MIM** 605005

**UniProt ID** Q86SF2

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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