

Recombinant Human GALNT7 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human GALNT7 full-length ORF (AAH46129.1, 1 a.a. - 657 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	101.8 kDa
AA Sequence	MRLKIGFILRSLLVVGSLGLVVLWSSLTPRPDDPSPLSRMREDRDVNDPMPNRGG NGLAPGEDRFKPVVPWPHVEGVEVDLESIRRINKAKNEQEHHAGGDSQKDIMQRQ YLTFKPQTFTYHDPVLRPGILGNFEPKEPEPPGVVGGPGGEKAKPLVLGPEFKQAIQA SIKEFGFNMVASDMISLDRSVNDRQEECKYWHYDENLLTSSVVIVFHNEGWSTLM RTVHSVIRKTRPKYLAEIVLIDDFSNEHLKEKLDEYIKLWNGLVKVFRNERREGLIQA

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RSIGAQKAKLGQVLIYLDACEVAVNWYAPLVAPISKDRITCTVPLIDVINGNTYEIIPQ
GGGDEDDGYARGAWDWSMLWKRVP LTPQEKRLRKTTEPYRSPAMAGGLFAIERE
FFFELGLYDPGLQIWGGENFEISYKIWQCGGKLLFVPCSRVGHYRLEGWQGNPPPI
YVGSSPTLKNYVRVVEVWWDEYKDYFYASRPESQALPYGDISELKKFREDHNCKSF
KWFMEEIAYDITSHYPLPPKNVDWGEIRGFETAYCIDSMGKTNGGFVELGPCHRMG
GNQLFRINEANQLMQYDQCLTKGADGSKVMITHCNLNEFKEWQYFKNLHRFTHIPS
GKCLDRSEVLHQVFISNCDSSKTTQKWEMNNIHSV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GALNT7 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7) [Homo sapiens]

Official Symbol

GALNT7

Synonyms

GalNAcT7; GALNAC-T7

Gene ID

51809

mRNA Refseq

NM_017423

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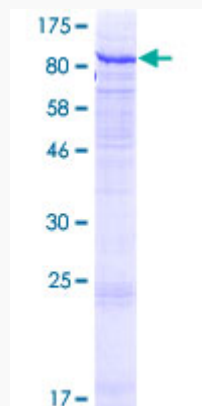
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Protein Refseq NP_059119

MIM 605005

UniProt ID Q86SF2

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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