

Recombinant Full Length Human GALNT7 Protein, GST-tagged

Cat. No. GALNT7-5269HF **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	In Vitro Cell Free System
ProteinLength	657 amino acids
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	MRLKIGFILRSLLVVGSLGLVVLWSSLTTPRPDDPSPLSRMREDRDVNDPMPNRGG NGLAPGEDRFKPVVPWPHVEGVEVDLESIRRINKAKNEQEHHAGGDSQKDIMQRQ YLTFKPQTFTYHDPVLRPGILGNFEPKEPEPPGVVGGPGGEKAKPLVLGPFEFKQAIQA SIKEFGFNMVASDMISLDRSVNDLRQEECKYWHYDENLLTSSVVIVFHNWSTLM

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RTVHSVIKRTPRKYLAEIVLIDDFSNEHLKEKLDEYIKLWNGLVKVFRNERREGLIQA
 RSIGAQAQAKLGQVLIYLDACEVAVNWYAPLVAPISKDRITCTVPLIDVINGNTYEIIPQ
 GGGDEEDGYARGAWDWSMLWKRVP LTPQEKRLRKTTEPYRSPAMAGGLFAIERE
 FFFELGLYDPGLQIWGGENFEISYKIWQCGGKLLFVPCSRVGHYRLEGWQGNPPPI
 YVGSSPTLKNYVRVVEVWWDEYKDYFYASRPESQALPYGDISELKKFREDHNCKSF
 KWFMEEIAYDITSHYPLPPKNVDWGEIRGFETAYCIDSMGKTNGGFVGLGPCHRMG
 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-acetylglucosaminyltransferase 7 (GalNAc-T7) [Homo sapiens]

Official Symbol

GALNT7

Synonyms

GalNAcT7; GALNAC-T7

Gene ID

51809

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mRNA Refseq	NM_017423
Protein Refseq	NP_059119
MIM	605005
UniProt ID	Q86SF2

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