

# Recombinant Human GALNT7 protein ab185842

## Description

<b>Product name</b>	Recombinant Human GALNT7 protein
<b>Purity</b>	> 95 % SDS-PAGE. Purity is determined by SEC-HPLC and reducing SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Mammalian
<b>Accession</b>	<b><u>Q86SF2</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<pre> PRPDDPSPLSRMREDRDVNDPMPNRRGGNGLAPGEDRF KPVVPWPHVEGVE VDLESIRRINKAKNEQEHHAGGDSQKDIMQRQYLTFKPQT FTYHDPVLRP GILGNFEPKEPEPPGVVGGPGEKAKPLVLGPEFKQAIQAS IKEFGFMVA SDMISLDRSVNDLRQEECKYWHYDENLLTSSVVMFHNEG WSTLMRTVHS VIKRTPRKYLAENVLIDDFSNKEHLKEKLDEYIKLWNLGVKV FRNERREG LIQARSIGAQKAKLGQVLIYLDACEVAVNWWYAPLVAPISK DRTICTVPL IDVINGNTYEIIPQGGGDEDGYARGAWDWSMLWKRVP LTP QEKRLRKT KT EPYRSPAMAGGLFAIEREFF FELGLYDPGLQIWGGENFEIS YKWQCGGK LLFVPCSRVGHYRLEGWQGNPPPIYVGS SPTLKNYVRVV EVWWDEYKDY FYASRPESQALPYGDISELKKFREDHNCKSFKWFMEIAY DITSHYPLPP KNVDWGEIRGFETAYCIDSMGKTNGGFVELG PCHRMGGN QLFRINEANQL MQYDQCLTKGADGSKVMITHCNLNEFKEWQYFKNLHRFT HIPSGKCLDRS EVLHQVFISNCDSSKTTQKWEMNNIHSVVDHHHHHHH </pre>

<b>Predicted molecular weight</b>	73 kDa including tags
<b>Amino acids</b>	30 to 657
<b>Tags</b>	His tag C-Terminus
<b>Additional sequence information</b>	Luminal domain

## Specifications

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Our **Abpromise guarantee** covers the use of **ab185842** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione  Supplied as a 0.2 µM filtered solution
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## General Info

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<b>Function</b>	Glycopeptide transferase involved in O-linked oligosaccharide biosynthesis, which catalyzes the transfer of an N-acetyl-D-galactosamine residue to an already glycosylated peptide. In contrast to other proteins of the family, it does not act as a peptide transferase that transfers GalNAc onto serine or threonine residue on the protein receptor, but instead requires the prior addition of a GalNAc on a peptide before adding additional GalNAc moieties. Some peptide transferase activity is however not excluded, considering that its appropriate peptide substrate may remain unidentified.
<b>Tissue specificity</b>	Widely expressed. Expressed in uterus, retina, kidney, small intestine, omentum, stomach and CNS.
<b>Pathway</b>	Protein modification; protein glycosylation.
<b>Sequence similarities</b>	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
<b>Domain</b>	There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding. The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.
<b>Cellular localization</b>	Golgi apparatus membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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