

Datasheet for ABIN7553989

## **GALNT5 Protein (AA 1-940) (His tag)**



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### Overview

Quantity:	1 mg
Target:	GALNT5
Protein Characteristics:	AA 1-940
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant GALNT5 Protein expressed in mammalian cells.
Sequence:	<p>MNRIRKFFRG SGRVLAFIV ASVIWLLFDM AALRLSFSEI NTRVIKEDIV RRERIGFRVQ</p> <p>PDQGKIFYSS IKEMKPPLRG HGKGAWGKEN VRKTEESVLK VEVLDLQDQQR ERKMQNALGR</p> <p>GKVVPLWHPA HLQTLPVTPN KQKTDGRGTK PEASSHQGTP KQTTAQGAPK TSFIAAKGTQ</p> <p>VVKISVHMGR VSLKQEPRKS HSPSSDTSKL AAERDLNVTI SLSTDRPKQR SQAVANERAH</p> <p>PASTAVPKSG EAMALNKTKT QSKEVNANKH KANTSLPFPK FTVNSNRLRK QSINETPLGS</p> <p>LSKDDGARGA HGKKNLFSES HLVIITKEEE QKADPKEVSN SKTKTIFPKV LGKSQSKHIS</p> <p>RNRSEMSSSS LAPHRVPLSQ TNHALTGGLE PAKINITAKA PSTEYNQSHI KALLPEDSGT</p> <p>HQVLRIDVTL SPRDPKAPGQ FGRPVVPHG KEKEAERRWK EGNFNVYLSL LIPVDRAIED</p> <p>TRPAGCAEQL VHNNLPPTSV IMCFVDEVWS TLLRSVHSVI NRSPPHLIKE ILLVDDFSTK</p> <p>DYLKDNLDKY MSQFPKVRIL RLKERHGLIR ARLAGAQNAT GDVLTFLDSH VECNVGWLEP</p> <p>LLERVYLSRK KVACPVIEVI NDKDMSYMTV DNFQRGIFVW PMNFGWRTIP PDVIAKNRIK</p> <p>ETDTIRCPVM AGGLFSIDKS YFFELGTYPD GLDVWGGENM ELSFKVWMCG GEIEIIPCSR</p>

VGHIFRNDNP YSFPKDRMKT VERNLVRVAE VWLDEYKELF YGHGDHLIDQ GLDVGNLTQQ  
RELRRKKLKCK SFKWYLENVF PDLRAPIVRA SGVLINVALG KCISIENTTV ILEDGDSKE  
LQQFNNTWLR LIKCGEWICIA PIPDKGAVRL HPCDNRNKGL KWLHKSTSVF HPELVNHIVF  
ENNQQLLCLE GNFSQKILKV AACDPVKPYQ KWKFEKYEEA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GALNT5
Alternative Name:	GALNT5 ( <a href="#">GALNT5 Products</a> )
Background:	Polypeptide N-acetylgalactosaminyltransferase 5 (EC 2.4.1.41) (Polypeptide GalNAc transferase 5) (GalNAc-T5) (pp-GaNTase 5) (Protein-UDP acetylgalactosaminyltransferase 5) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 5),FUNCTION: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine

## Target Details

	residue to a serine or threonine residue on the protein receptor. Has activity toward EA2 peptide substrate, but has a weak activity toward Muc2 or Muc1b substrates (By similarity). {ECO:0000250}.
Molecular Weight:	106.3 kDa
UniProt:	<a href="#">Q7Z7M9</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months