

Datasheet for ABIN7553971

GALNT2 Protein (AA 1-571) (His tag)



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Overview

Quantity:	1 mg
Target:	GALNT2
Protein Characteristics:	AA 1-571
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GALNT2 Protein expressed in mammalian cells.
Sequence:	<p>MRRRSRMLLC FAFLWVLGIA YYMYSGGGSA LAGGAGGGAG RKEDWNEIDP IKKKDLHHSN</p> <p>GEEKAQSMET LPPGKVRWPD FNQEAYVGGT MVRSGQDPYA RNKFNQVESD KLRMDRAIPD</p> <p>TRHDQCQRKQ WRVDLPATSV VITFHNEARS ALLRTVSVL KKSPPHLIKE IILVDDYSND</p> <p>PEDGALLGKI EKVRVLRNDR REGLMRSRVR GADAAQAKVL TFLDSHCECN EHWLEPLLER</p> <p>VAEDRTRVVS PIIDVINMDN FQYVGASADL KGGFDWNLVF KWDYMTPEQR RSRQGNPVAP</p> <p>IKTPMIAGGL FVMDKFYFEE LGKYDMMMDV WGGENLEISF RVWQCGGSLE IIPCSRVGHV</p> <p>FRKQHPYTFP GSGTVFARN TRRAAEVWMD EYKNFYAAV PSARNVPYGN IQSRLELRKK</p> <p>LSCKPFKWYL ENVYPELRVP DHQDIAFGAL QQGTNCLDTL GHFADGVVGV YECHNAGGNQ</p> <p>EWALTKEKSV KHMDLCLTVV DRAPGSLIKL QGCRENDSRQ KWEQIEGNSK LRHVGSNLCL</p> <p>DSRTAKSGGL SVEVCGPALS QQWKFTLNLQ Q Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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, Western Blot
Grade:	custom-made

Target Details

Target:	GALNT2
Alternative Name:	GALNT2 (GALNT2 Products)
Background:	<p>Polypeptide N-acetylgalactosaminyltransferase 2 (EC 2.4.1.41) (Polypeptide GalNAc transferase 2) (GalNAc-T2) (pp-GaNTase 2) (Protein-UDP acetylgalactosaminyltransferase 2) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 2) [Cleaved into: Polypeptide N-acetylgalactosaminyltransferase 2 soluble form],FUNCTION: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Probably involved in O-linked glycosylation of the immunoglobulin A1 (IgA1) hinge region. Involved in O-linked glycosylation of APOC-III, ANGPTL3 and PLTP. It participates in the regulation of HDL-C metabolism (PubMed:27508872, PubMed:32293671). {ECO:0000269 PubMed:12438318, ECO:0000269 PubMed:16434399, ECO:0000269 PubMed:25939779, ECO:0000269 PubMed:27508872,</p>

Target Details

	ECO:0000269 PubMed:32293671, ECO:0000269 PubMed:7592619, ECO:0000269 PubMed:9295285}.
Molecular Weight:	64.7 kDa
UniProt:	Q10471
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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