Datasheet for ABIN7564053

B4GALNT3 Protein (AA 1-986) (His tag)

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Overview

Quantity:	1 mg
Target:	B4GALNT3
Protein Characteristics:	AA 1-986
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALNT3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B4galnt3 Protein expressed in mammalian cells.
Sequence:	MGSPRAALLM LLLRPIKLLR RRFRLLLLLA VVSVGLWTLY LELVASAQAG GNPLNHRYGS WRELAKALAS RNIPAVDPNL QFYRPQRLSL KDQEIARSRS RNSSYLKWNK PVPWLSEFRG HANLHVFEDW CGSSIQQLRN NLHFPLYPHI RTTLRKLAVS PKWTNYGLRI FGYLHPFTDG KIQFAIAADD NAEFWLSRDD QVSGLQLLAS VGKTGKEWTA PGEFGKFQSQ ISKPVSLSAS LRYYFEVLHK QNDEGTDHVE VAWRRNDPGA KFTIIDSPFL SLFTNETILR MDEVGHIPQT AASHVGSSNT PPRDEQPPAD MLRPDPRDTL FRVPLIAKSH LRHVLPDCPY KPSYLVDGLP LQRYQGLRFV HLSFVYPNDY TRLSHMETHN KCFYQESAYD QDRSSFQEYI KMDKPEKHGP EQPAGLEDGL LEESQYEDVP EEIPTSQDQN TGIQGRKQKT ISTPGLGVTD YHLRKLLARS QSGPVAPLSK QNSTTAFPTR TSNIPVQRPE KSPVPSRDLS HSDQGARRNL PLIQRARPTG DRPGKTLEQS QWLNQVESFI AEQRRGDRIE PPTPSRGWRP EEDVVIAADQ EGEVEEEEEG EDEEEDMSEV FEYVPMFDPV VNWGQTFSAQ NLDFQALRTD WIDLNCNTSG NLLLPEQEAL EVTRVFLRKL SQRTRGRYQL QRIVNVEKRQ DRLRGGRYFL ELELLDGQRL VRLSEYVSTR

Product Details

	GWRGGDHPGR EDTEARNLQG LVWSPRNRHR HVLNAQDPEP KLCWPQGFSW NHRAVVHFIV PVKNQARWVQ QFIRDMESLS QVTGDAHFSI IITDYSSEDM DVEMALKRSR LRSYQYLKLS GNFERSAGLQ AGIDLVKDPH SIIFLCDLHI HFPAGIIDTI RKHCVEGKMA FAPMVMRLHC GATPQWPEGY WEVNGFGLLG IYKSDLDKIG GMNTKEFRDR WGGEDWELLD RILQAGLEVE RLSLRNFFHH FHSKRGMWNR RQMKMP **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:	Key Benefits: • 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). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	B4GALNT3
Alternative Name:	B4galnt3 (B4GALNT3 Products)
Background:	Beta-1,4-N-acetylgalactosaminyltransferase 3 (Beta4GalNAc-T3) (Beta4GalNAcT3) (EC 2.4.1.244) (Beta-1,4-N-acetylgalactosaminyltransferase III) (N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2) (NGalNAc-T2),FUNCTION: Transfers

Target Details

	N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'-diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans. Mediates the N,N'-diacetyllactosediamine formation on gastric mucosa (By similarity). {ECO:0000250}.
Molecular Weight:	113.5 kDa
UniProt:	Q6L8S8

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