

Datasheet for ABIN7564491

GALNT5 Protein (AA 1-930) (His tag)



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Overview

Quantity:	1 mg
Target:	GALNT5
Protein Characteristics:	AA 1-930
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Galnt5 Protein expressed in mammalien cells.
Sequence:	MNKIRKFFRG SGRVLAFIFA ASVIWLLFDM AALRLSFSEI NAGLLKEDII RREHTGFRVE PDQVKVLYTS IRGMGLPRNG AWGKENFRKA ENHELKVEEN MDQVQRKGKM QNLLGRRKAV PLWHLAHLQT LPVTIPMQKT QGRDSKPEVS SQYMMSKWMT VLESEKTPFT ASRGVPLTKI AGRTETFDKK QEAPQNYNVS SDTSKQASER TLNMTISVKT DRSKQKSQTV TKLRMHFASP PILKSEEVTV IKKAEAQSKD LKHEALKALP LLKFIADMGH LKNQSTNETQ LGRLPEDDAA KVAPGKKLNF SESHVVIITK EEELKTDKE VPNSKTQTVF PKLLGGSPHK QIPRNQSKTS SSPPALKKAV SQSKPTISGG LHTARSNLTA KAPTGVGYQQS HANIPENPGM HHVFRIDVTL SPRDLNAPGQ FGRPVVVPPE KKKEAEQRWK EGNFNVYLSL LIPVDRAIED TRPAGCAEQL VHNDLPTTSI IMCFVDEVWS ALLRSVHSLV NRSPPHLIKE ILLVDDFSTK EYLKADLDKY MSQFPKVRIL RLKERHGLIR ARLAGAQNAT GDVLTFLDSH VECNVGWLEP LLERVYLN RK KVACPVIEVI NDKDMSYMTV DNFQRGVFTW PMNFGWKTIP PDVVAKNGIK ETDIIRCPVM

Product Details

AGGLFSIDKS YFYELGTYDP GLDVWGGENM ELSFKVWMCG GEIEIIPCSR VGHIFRNDNP
YSFPKDRMKT VERNLVRVAE VWLDDYRELF YGHGDHLIDQ GLDVGNLTQQ RELRKKLKCK
SFKWYLDNVF PDLKAPVVRA SGVLINMALG KCVSIENITV TLED CDGSSQ LQQFN YTWVR
LIKHGEWCVA PIPEKGSLTL YHCDNRNNRL KWLHKSASAF HPELVDHIVF ENYQQLLCME
GNFSQKTLKL AACNPMELQQ KWKFEKYYEV **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.**

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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	GALNT5
Alternative Name:	Galnt5 (GALNT5 Products)
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 residue to a serine or threonine residue on the protein receptor. Has activity toward EA2 peptide

Target Details

	substrate, but has a weak activity toward Muc2 or Muc1b substrates (By similarity). {ECO:0000250}.
Molecular Weight:	105.8 kDa
UniProt:	Q8C102
Pathways:	Glycosaminoglycan Metabolic Process

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