

Datasheet for ABIN7554029

GALNT11 Protein (AA 1-608) (His tag)



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Overview

Quantity:	1 mg
Target:	GALNT11
Protein Characteristics:	AA 1-608
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GALNT11 Protein expressed in mammalian cells.
Sequence:	<p> MGSVTVRYFC YGCLFTSATW TVLLFVYFNF SEVTQPLKNV PVKGSGPHGP SPKKFYPRFT RGPSRVLEPQ FKANKIDDDVI DSRVEDPEEG HLFSSSELGM IFNERDQELR DLGYQKHAFN MLISDRLGYH RDVPDTRNAA CKEKFYPPDL PAASVVICFY NEAFSALLRT VHSVIDRTPA HLLHEIILVD DDSDFDDLKG ELDEYVQKYL PGKIKVIRNT KREGLIRGRM IGAAHATGEV LVFLDSHCEV NVMWLQPLLA AIREDRHTVV CPVIDIISAD TLAYSSSPVV RGGFNWGLHF KWDLVPLSEL GRAEGATAPI KSPTMAGGLF AMNRQYFHEL GQYDSGMDIW GGENLEISFR IWMCGGKLF IPCSRVGHIF RKRRPYGSPE GQDTMTHNSL RLAHVWLDEY KEQYFSLRPD LKTKSYGNIS ERVELRKKLG CKSFKWYLDN VYPEMQISGS HAKPQQPIFV NRGPKRPKVL QRGRLYHLQT NKCLVAQGRP SQKGGLVLVK ACDYSDPNQI WIYNEEHVLS LNSLLCLDMS ETRSSDPRL MKCHGSGGSQ QWTFGKNNRL YQVSVGQCLR AVDPLGQKGS VAMAICDGSS SQQWHLEG </p> <p>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</p>

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">• 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GALNT11
Alternative Name:	GALNT11 (GALNT11 Products)
Background:	Polypeptide N-acetylgalactosaminyltransferase 11 (EC 2.4.1.41) (Polypeptide GalNAc transferase 11) (GalNAc-T11) (pp-GaNTase 11) (Protein-UDP acetylgalactosaminyltransferase 11) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 11),FUNCTION: Polypeptide N-acetylgalactosaminyltransferase that catalyzes the initiation of protein O-linked glycosylation and is involved in left/right asymmetry by mediating O-glycosylation of NOTCH1. O-glycosylation of NOTCH1 promotes activation of NOTCH1, modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO). Polypeptide N-acetylgalactosaminyltransferases catalyze the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward MUC1, MUC4, and EA2 than GALNT1. Not involved in glycosylation of erythropoietin

Target Details

(EPO). {ECO:0000269|PubMed:11925450, ECO:0000269|PubMed:24226769}.

Molecular Weight: 68.9 kDa

UniProt: [Q8NCW6](#)

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