

Datasheet for ABIN7552598

**beta-1,4-N-Acetyl-Galactosaminyl Transferase 4 (B4GALNT4)
(AA 1-1039) protein (His tag)**[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	beta-1,4-N-Acetyl-Galactosaminyl Transferase 4 (B4GALNT4)
Protein Characteristics:	AA 1-1039
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat B4GALNT4 Protein expressed in mammalien cells.
Sequence:	MPRLPVKKIR QQMKLLLLLL LLSCAAWLTY VHLGLVRQGR ALRQRLGYGR DGEKLTSETD GRGVHAAPST QRAEDSSES EEEQAPEGRD LDMLFPGGAG RLPLNFTHTT PPWREEYKGG VNLHVFEDWC GGAVGHLRRN LHFPLPHTR TTVKKLAVSP KWKNYGLRIF GFHPARDGD VQFSVASDDN SEFWLSLDES PAAAQLVAFV GKTGSEWTAP GEFTKFSSQV SKPRRLMASR RYYFELLHKQ DDRGSDHVEV GWRAFLPGLK FEVISSAHIS LYTDSEALKM DHVAHVPQSP ASHVGGRRPPQ EETSADMLRP DPRDTFFLTP RMESSLENV LEPYAYPTY VVKDFPIARY QGLQFVYLSF VYPNDYTRLT HMETDNKCFY RESPLYLERF GFYKYMKMDK EEGDEDEEDE VQRRAFFLN PDDFLDDEDE GELLDSEPT EAAPRSGPQ SPAPAAPAQP GATLAPPTPP RPRDGGTPRH SRALSWAARA ARPLPLFLGR APPRPAVEQ PPPKVYVTRV RPGQRASRA PAPRAPWPPF PGVFLHPRPL PRVQLRAPP RPRPHGRRTG GPQATQPRPP ARAQATQGGR EGQARTLGPA APTVDSNLSS EARPVTSFSL SQVSGPQLP GEGEEEEEGE DDGAPGDEAA

Product Details

SEDSEEAAGP ALGRWREDAI DWQRTFSVGA VDFELLRSDW NDLRCNVSGN LQLPEAEAVD
VTAQYMERLN ARHGGRFALL RIVNVEKRRD SARGSRFLLE LELQERGGGR LRLSEYVFLR
LPGARVGDAD GESPEPAPAA SVRPDGRPEL CRPLRLAWRQ DVMVHFIVPV KNQARWVAQF
LADMAALHAR TGDSRFSVVL VDFESEDMDV ERALRAARLP RYQYLRRTGN FERSAGLQAG
VDAVEDASSI VFLCDLHIHF PPNILDGIRK HCVEGRLAFA PVVMRLSCGS SPRDPHGYWE
VNGFGLFGIY KSDFDRVGGM NTEEFRDQWG GEDWELLDRV LQAGLEVERL RLRNFYHHYH
SKRGMWSVRS RKGSRTGAS **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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

beta-1,4-N-Acetyl-Galactosaminyl Transferase 4 (B4GALNT4)

Alternative Name:

B4GALNT4 ([B4GALNT4 Products](#))

Background:

N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 1 (NGalNAc-T1) (EC 2.4.1.244) (Beta-1,4-N-acetylgalactosaminyltransferase IV) (Beta4GalNAc-T4) (Beta4GalNAcT4),FUNCTION: Transfers N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'-

Target Details

diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans.

Molecular Weight: 116.5 kDa

UniProt: [Q76KP1](#)

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