

Datasheet for ABIN7561533

## B3GALT5 Protein (AA 1-308) (His tag)



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### Overview

Quantity:	1 mg
Target:	B3GALT5
Protein Characteristics:	AA 1-308
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GALT5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant B3galt5 Protein expressed in mammalian cells.
Sequence:	<p>MAHMKTRLVY ASILMMGALC LYFSMDSFRE LPFVFKKSHG KFLQIPDIDC KQKPPFLVLL  VTSSHKQLAA RMAIRKTWGR ETSVQGQQVR TFFLLGTSDS TEEMDATTLE SEQHRDIIQK  DFKDAYFNLT LKTMMGMEWV YHFCPQTAYV MKTDSDMFVN VGYLTELLK KNKTTRFFTG  YIKPHDFPIR QKFNKWVFSK FEYPWDRYPP FCSGTGYVFS SDVAIQVYNV SESVPFIKLE  DVFVGLCLAK LKIRPEELHT KQTFPPGGLR FSVCRFQKIV ACHFMKPQDL LTYWQALENS  KEQDCPAV <b>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.</b></p>
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:

## Product Details

- 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:	B3GALT5
Alternative Name:	B3galt5 ( <a href="#">B3GALT5 Products</a> )
Background:	Beta-1,3-galactosyltransferase 5 (Beta-1,3-GalTase 5) (Beta3Gal-T5) (Beta3GalT5) (b3Gal-T5) (EC 2.4.1.-) (Beta-3-Gx-T5) (Stage-specific embryonic antigen 3 synthase) (SSEA-3 synthase) (UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase 5) (UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 5),FUNCTION: Catalyzes the transfer of Gal to GlcNAc-based acceptors with a preference for the core3 O-linked glycan GlcNAc(beta1,3)GalNAc structure. Can use glycolipid LC3Cer as an efficient acceptor. Also catalyzes the transfer of Gal to the terminal GalNAc unit of the globoside GB4, thereby synthesizing the glycolipid GB5, also known as the stage-specific embryonic antigen-3 (SSEA-3).
Molecular Weight:	36.0 kDa
UniProt:	<a href="#">Q9JL67</a>

## 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