

Datasheet for ABIN7557119  
**B3GNTL1 Protein (AA 1-357) (His tag)**



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## Overview

Quantity:	1 mg
Target:	B3GNTL1
Protein Characteristics:	AA 1-357
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GNTL1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant B3gntl1 Protein expressed in mammalian cells.
Sequence:	MEVSENATTR GSLALVSIIL PVHNAEQWLD ECLMSVLQQD FEGAMELSVF NDASKDKSRA IIEKWKVKLE DSGISVWIGG HDSPSPRGVG YSKNQAVAQS TGSYLCFLDS DDVMMPQRVR MQYEAAGQHP TSIIGCQVRR DPPDSTERYT RWINHLTSDQ LLTQVFTSHG PTVIMPTWFC SRAWFSHVGP FDEGGQGVPE DLLFFYEHLR KGGGVFRVDH SLLLYRYHLY AATHSVLEMT IWTHRHFLE EQVLPHWKSF TIWNAGKQGR KLYRSLTAAS RHKVVAFCDV DENKIRKGFY CYEDSQERPK PKVPILHFQA AQSPFVICVK LDLTGGEFED NLKSLDLQEG RDFVHFS <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>
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

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

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## Target Details

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Target:	B3GNTL1
Alternative Name:	B3gnt1 ( <a href="#">B3GNTL1 Products</a> )
Background:	<p>Queuosine-tRNA galactosyltransferase (QTGAL) (EC 2.4.1.-) (UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like protein 1) (BGnT-like protein 1) (Beta1,3-N-acetylglucosaminyltransferase-like protein 1) (Beta3Gn-T-like protein 1) (Beta3GnTL1),FUNCTION: Glycosyltransferase that specifically catalyzes galactosylation of cytoplasmic tRNA(Tyr) modified with queuosine at position 34 (queuosine(34)). Galactosylates the cyclopentene hydroxyl group of queuosine(34) in tRNA(Tyr) to form galactosyl-queuosine(34). Mannosylation of queuosine(34) in tRNA(Tyr) is required to slow-down elongation at cognate codons UAC and suppress stop codon readthrough, thereby regulating protein translation. {ECO:0000250 UniProtKB:Q67FW5}.</p>
Molecular Weight:	40.6 kDa
UniProt:	<a href="#">Q3U129</a>

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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