

[Go to Product page](#)

Datasheet for ABIN7557468

**GCNT3 Protein (AA 1-437) (His tag)**

## Overview

Quantity:	1 mg
Target:	GCNT3
Protein Characteristics:	AA 1-437
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCNT3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Gcnt3 Protein expressed in mammalian cells.
Sequence:	MTSWQRLCWH YRLWTLGCYM LLAILALKLS LRLKCDFDAM DLDSEEFQSQ YCRDLLYKTL KLPKSSINC SGVIRGEQKA VTQALLNNLE IKKKQQLFTE ADYLRMTADC EHFKTKRKF QVPLSKEEAS FPIAYSMVVH EKIEFERLL RAVYTPQNVY CVHMDQKSSE PFKQAVRAIV SCFPNVFIAS KLVSVVYASW SRVQADLNCM EDLLQSPVPW KYLLNTCGTD FPIKTNAEMV KALKLLKGQN SMESEVPPPH KKSRAWKYHYE VTDTLHMTSK RKTPPPNNLT MFTGNAYMVA SRDFIEHVFS NSKARQLIEW VKDITYSPDEH LWATLQRASW MPGSDPLHRK FDLSDMRAIA RLTKWYDHEG DIENGAPYTS CSGIHQRAVC VYGSGDLHWI LQNHLLANK FDPKVDDNVL QCLEEYLRHK AIYGTEL <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.

## Product Details

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### 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

GCNT3

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### Alternative Name:

Gcnt3 ([GCNT3 Products](#))

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### Background:

Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3 (EC 2.4.1.102) (EC 2.4.1.148) (EC 2.4.1.150) (C2GnT-mucin type) (C2GnT-M) (Mucus-type core 2 beta-1,6-N-acetylglucosaminyltransferase),FUNCTION: Glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. Mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. Has also I-branching enzyme activity by converting linear into branched poly-N-acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development. {ECO:0000250|UniProtKB:O95395}.

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### Molecular Weight:

50.7 kDa

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### UniProt:

[Q5JCT0](#)

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### Pathways:

[Production of Molecular Mediator of Immune Response](#)

## 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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