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Datasheet for ABIN7547889

GCNT4 Protein (AA 1-453) (His tag)

Overview

Quantity:	1 mg
Target:	GCNT4
Protein Characteristics:	AA 1-453
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GCNT4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat GCNT4 Protein expressed in mammalian cells.
Sequence:	MKIFKCYFKH TLQQKVFILF LTLWLLSLLK LLNVRRLFPQ KDIYLVEYSL STSPFVRNRY THVKDEVRYE VNCSGIYEQE PLEIGKSLEI RRRDIIDLED DDVVAMTSDC DIYQTLRGYA QKLVSKEEKS FPIAYSLVVH KDAIMVERLI HAIYNQHNIY CIHYDRKAPD TFKVAMNNLA KCFSNIFIAS KLEAVEYAH I SRLQADLNCL SDLLKSSIQW KYVINLCGQD FPLKSNFELV SELKKLNGAN MLETVKPPNS KLERFTYHHE LRRVPYEVVK LPIRTNISKE APPHNIQIFV GSAYFVLSQA FVKYIFNNSI VQDFFAWSKD TYPDEHFWA TLIRVPGIPG EISRSAQDVS DLQSKTRLVK WNYEGFFYP SCTGSHLRSV CIYGAAELRW LIKDGHWFAN KFDSKVDPIIL IKCLAEKLEE QQRDWITLPS EKLFMDRNL TTS 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.

Product Details

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:

GCNT4

Alternative Name:

GCNT4 ([GCNT4 Products](#))

Background:

Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4 (EC 2.4.1.102) (Core 2-branching enzyme 3) (Core2-GlcNAc-transferase 3) (C2GnT3),FUNCTION: Glycosyltransferase that mediates core 2 O-glycan branching, an important step in mucin-type biosynthesis. Does not have core 4 O-glycan or I-branching enzyme activity. {ECO:0000269|PubMed:10753916}.

Molecular Weight:

53.1 kDa

UniProt:

[Q9P109](#)

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.

Application Details

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