

Datasheet for ABIN7559947

GBGT1 Protein (AA 1-347) (His tag)



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Overview

Quantity:	1 mg
Target:	GBGT1
Protein Characteristics:	AA 1-347
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GBGT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gbgt1 Protein expressed in mammalien cells.
Sequence:	<p>MTRPRLAQGL AFFLLGGTGL WVLWKFIDW LLVSYIPYYL PCPEFFNMKL PFRKEKPLQP VTQLQYPQPK LLEHGPTTELL TLTPWLAPIV SEGTFDPELL KSMYQPLNLT IGVTVFAVGK YTCFIQRFLS SAEFFFMRGY QVHYLFTHD PTAVPRVPLG PGRLLSIPI QGYSRWEEIS MRRMETINKH IAKRAHKEVD YLFCVDVDMV FRNPWGPETL GDLVAAIHPG YFAVPRRKFP YERRQVSSAF VADNEGDFYY GGALFGGRVA RVYEFTRACH MAILADKANS IMAAWQEESH LNRHFIWHKP SKVLSPEYLW DERKPRPRSL KMIRFSSVKK NANWLRT Sequence without tag.</p> <p>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.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	GBGT1
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Alternative Name:	Gbgt1 (GBGT1 Products)
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Background:	Globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (EC 2.4.1.88) (Forssman glycolipid synthase),FUNCTION: Catalyzes the formation of Forssman glycolipid via the addition of N-acetylgalactosamine (GalNAc) in alpha-1,3-linkage to GalNAcb-1,3Gala-1,4Galb-1,4GlcCer (Gb4Cer) (PubMed:14573676). Forssman glycolipid (also called Forssman antigen, FG) probably serves for adherence of some pathogens (PubMed:14573676). Conversely, it diminishes Shiga toxins susceptibility (PubMed:14573676). {ECO:0000269 PubMed:14573676}.
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Molecular Weight:	40.5 kDa
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UniProt:	Q8VI38
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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.
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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