

Datasheet for ABIN7551782

A4GALT Protein (AA 1-353) (His tag)



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Overview

Quantity:	1 mg
Target:	A4GALT
Protein Characteristics:	AA 1-353
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This A4GALT protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat A4GALT Protein expressed in mammalian cells.
Sequence:	<p>MSKPPDLLLR LLRGAPRQRV CTLFIIGFKF TFFVSIMIW HVVGEPKEKG QLYNLP AEIP</p> <p>CPTLTPPTPP SHGPTPGNIF FLETSDRTNP NFLFMCSVES AARTHPESHV LVLMKGLPGG</p> <p>NASLPRHLGI SLLSCFPNVQ MLPLDLRELF RDTPLADWYA AVQGRWEPYL LPVLS DASRI</p> <p>ALMWKFGGIY LDTDFIVLKN LRNLTNVLGT QSRVVLNGAF LAFERRHEFM ALCMRDFVDH</p> <p>YNGWIWGHQG PQLLTRVFKK WCSIRSLAES RACRGVTTLP PEA FYPIPWQ DWKKYFEDIN</p> <p>PEELPRLLSA TYAVHVWNKK SQGTRFEATS RALLAQLHAR YCPTTHEAMK MYL Sequence</p> <p>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.</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:	A4GALT
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Alternative Name:	A4GALT (A4GALT Products)
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Background:	<p>Lactosylceramide 4-alpha-galactosyltransferase (EC 2.4.1.228) (Alpha-1,4-N-acetylglucosaminyltransferase) (Alpha-1,4-galactosyltransferase) (Alpha4Gal-T1) (CD77 synthase) (Globotriaosylceramide synthase) (Gb3 synthase) (P1/Pk synthase) (UDP-galactose:beta-D-galactosyl-beta1-R 4-alpha-D-galactosyltransferase),FUNCTION: Catalyzes the transfer of galactose from UDP-alpha-D-galactose to lactosylceramide/beta-D-galactosyl-(1->4)-beta-D-glucosyl-(1<->1)-ceramide(d18:1(4E)) to produce globotriaosylceramide/globoside Gb3Cer (d18:1(4E)) (PubMed:10748143). Also able to transfer galactose to galactosylceramide/beta-D-Gal-(1<->1')-Cer (PubMed:10748143). Globoside Gb3Cer is a glycosphingolipid of the globo serie, one of the major types of neutral root structures of glycosphingolipids, that constitute a significant portion of mammalian cell membranes (Probable). Globotriaosylceramide/globoside Gb3Cer in blood and tissue cell membranes is the antigen Pk of blood histogroup P (PubMed:10747952). {ECO:0000269 PubMed:10747952, ECO:0000269 PubMed:10748143, ECO:0000305 PubMed:10748143}., FUNCTION: (Microbial infection) Globotriaosylceramide is one of the cellular ligands for bacterial verotoxins.</p>
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Target Details

	{ECO:0000269 PubMed:10748143}.
Molecular Weight:	40.5 kDa
UniProt:	Q9NPC4

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.
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