

Datasheet for ABIN7557874

A4GALT Protein (AA 1-359) (His tag)



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Overview

Quantity:	1 mg
Target:	A4GALT
Protein Characteristics:	AA 1-359
Origin:	Mouse
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:	MGISCSHLEE TMSKPPDCLL RMLRGTPRQR VFTFFIISFK FMFLISILYI WHTVGAPKDQ REYSLPVDFS CPQLAFPRVS APGNIFFLET SDRTSPNFLF MCSVESAARA HPESQVVVLM KGLPRDTTAQ PRNLGISLLS CFPNVWIRPL DLQELFEDTP LAAWYSEARH RWEPYQLPVL SDASRIALLW KFGGIYLDTD FIVLKNLLNL TNTLGIQSRY VLNGAFLAFE RKHEFLALCL HDFVANYNGW IWGHQGPQLL TRVFKKWCSI QSLEKSHACR GVTALPPEAF YPIPWQNWKK YFEDISPEEL TQLLNATYAV HVWNKKSQGT HLEATSKALL AQLHARYCPT THRAMKMYL 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.
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
Grade:	custom-made

Target Details

Target:	A4GALT
Alternative Name:	A4galt (A4GALT Products)
Background:	Lactosylceramide 4-alpha-galactosyltransferase (EC 2.4.1.228) (Alpha-1,4-N-acetylglucosaminyltransferase) (Alpha-1,4-galactosyltransferase) (Alpha4Gal-T1) (Globotriaosylceramide synthase) (Gb3 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)). Also able to transfer galactose to galactosylceramide/beta-D-Gal-(1<->1')-Cer. 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. {ECO:0000250 UniProtKB:Q9NPC4}.
Molecular Weight:	41.4 kDa
UniProt:	Q67BJ4

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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Restrictions:	For Research Use only
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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