

Datasheet for ABIN7557349

**alpha 1,3-Galactosyltransferase 2 (A3GALT2) (AA 1-370)
protein (His tag)**[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	alpha 1,3-Galactosyltransferase 2 (A3GALT2)
Protein Characteristics:	AA 1-370
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat A3galt2 Protein expressed in mammalien cells.
Sequence:	<p>MALGTELGVS WPGSHGSCRE QEQRQRGPG KPTWGLSRAK KRLLWRRFLLS AFGFLGLYHY RFIIIRLIEG SIPMGTCTPTA IMPLPRDNFT GVLHHWARPE VLTCTSWGAP IIWDGTFDPH VAQQEARRRN LTIGLTVFAV GRYLEKYLEH FLVSAEQHFM VGQNVVYVVF TDRPEAVPYV ALGQGRLRA KPVQRERRWQ DVSMARMPTL HEALGGQLGQ EADVFVCLDV DQYFTGNFGP EVLADLVAQL HAWHYRWPRW LLPYERDKRS AAALSLSEGD FYYHAAVFGG SVAALLKLTA HCATGQQLDH KRGIEALWHD ESHLNKFFWL NKPTKLLSPE FCWAEIIWR REIHHPRLLW APKEYTLVRN 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.</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

Grade: custom-made

Target Details

Target: alpha 1,3-Galactosyltransferase 2 (A3GALT2)

Alternative Name: A3galt2 ([A3GALT2 Products](#))

Background: Alpha-1,3-galactosyltransferase 2 (EC 2.4.1.87) (Isoglobotriaosylceramide synthase) (iGb3 synthase) (iGb3S),FUNCTION: Synthesizes the galactose-alpha(1,3)-galactose group on the glycosphingolipid isoglobotrihexosylceramide or isogloboside 3 (iGb3) by catalyzing the transfer of galactose from UDP-Galactose to its acceptor molecule Gal-beta-1,4-Glc-ceramide. Can also catalyze the addition of galactose to iGb3 itself to form polygalactose structures. Synthesis of iGb3 is the initial step in the formation of the isoglobo-series glycolipid pathway and is the precursor to isogloboside 4 (iGb4) and isoForssman glycolipids. Can glycosylate only lipids and not proteins and is solely responsible for initiating the synthesis of isoglobo-series glycosphingolipids. {ECO:0000269|PubMed:15539565, ECO:0000269|PubMed:16456004}.

Molecular Weight: 42.6 kDa

UniProt: [Q3V1N9](#)

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
