antibodies

Datasheet for ABIN3089975 B4GALNT2 Protein (AA 89-566) (His tag)





Overview

Quantity:	1 mg
Target:	B4GALNT2
Protein Characteristics:	AA 89-566
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALNT2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA, Crystallization (Crys)

Product Details

Sequence:	GSMFLQAVFS SPKPELPSPA PGVQKLKLLP EERLRNLFSY DGIWLFPKNQ CKCEANKEQG
	GYNFQDAYGQ SDLPAVKARR QAEFEHFQRR EGLPRPLPLL VQPNLPFGYP VHGVEVMPLH
	TVPIPGLQFE GPDAPVYEVT LTASLGTLNT LADVPDSVVQ GRGQKQLIIS TSDRKLLKFI
	LQHVTYTSTG YQHQKVDIVS LESRSSVAKF PVTIRHPVIP KLYDPGPERK LRNLVTIATK
	TFLRPHKLMI MLRSIREYYP DLTVIVADDS QKPLEIKDNH VEYYTMPFGK GWFAGRNLAI
	SQVTTKYVLW VDDDFLFNEE TKIEVLVDVL EKTELDVVGG SVLGNVFQFK LLLEQSENGA
	CLHKRMGFFQ PLDGFPSCVV TSGVVNFFLA HTERLQRVGF DPRLQRVAHS EFFIDGLGTL
	LVGSCPEVII GHQSRSPVVD SELAALEKTY NTYRSNTLTR VQFKLALHYF KNHLQCAA
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
	special request, please contact us.
Characteristics:	Made in Germany - from design to production - by highly experienced protein experts.
	Human B4GALNT2 Protein (raised in Insect Cells) purified by multi-step, protein-specific

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3089975 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

process to ensure crystallization grade.

• State-of-the-art algorithm used for plasmid design (Gene synthesis).

	fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
	fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
	fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
	fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size evolution phrometography. Flucto fractions are applyzed by SDS DAGE and
	fractions are analyzed by SDS-PAGE.
	different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate
	1. In a first purification step, the protein is purified from the cleared cell lysate using three
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:
	the Expasy's protparam toor to determine the absorption coefficient of each protein.
	the concentration of the protein is calculated using its specific absorption coefficient. We use
	The concentration of the protein is calculated using its specific characterian coefficient. We use
	specific reference huffer
	The protein's absorbance will be measured in several dilutions and is measured against its
	The concentration of our recombinant proteins is measured using the absorbance at 280nm
	protein experts will do everything to make sure that you receive the protein you ordered.
	folded protein. With no financial risk on your end you can rest assured that our experienced
	When you order this made-to-order protein you will only pay upon receival of the correctly
	experiments or purification optimization).
	custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression
	(other companies might charge you for any performed steps in the expression process for
	In the unlikely event that the protein cannot be expressed or purified we do not charge anything
	cannot be expressed or purified.
	made proteins from other companies is that there is no financial obligation in case the protein
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom
	experts in the lab will ensure that you receive a correctly folded protein.
	This protein is a made to order protein and will be made for the first time for your order. Our

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN3089975 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Background:	Involved in the synthesis of the Sd(a) antigen (Sia-alpha2,3-[GaINAc-beta1,4]Gal-beta1,4-GlcNAc), a carbohydrate determinant expressed on erythrocytes, the colonic mucosa and other tissues. Transfers a beta-1,4-linked GaINAc to the galactose residue of an alpha-2,3-sialylated chain. {ECO:0000269 PubMed:12678917, ECO:0000269 PubMed:14688233}.
Molecular Weight:	54.9 kDa Including tag.
UniProt:	Q8NHY0
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 gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)



Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN3089975 | 09/11/2023 | Copyright antibodies-online. All rights reserved.