

Datasheet for ABIN7552690

B4GALNT2 Protein (AA 1-566) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	B4GALNT2
Protein Characteristics:	AA 1-566
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALNT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B4GALNT2 Protein expressed in mammalian cells.
Sequence:	<p>MGSAGFSVGK FHVEVASRGR ECVSGTPECG NRLGSAGFGA LCLELRGADP AWGPFAAHGR</p> <p>SRRQGSRLFW LLKILVIILV LGIVGFMFGS MFLQAVFSSP KPPLPSPAPG VQKLKLLPEE</p> <p>RLRNLFSDYG IWLFPKNQCK CEANKEQGGY NFQDAYGQSD LPAVKARRQA EFEHFQRREG</p> <p>LPRPLPLLQV PNLPGFYPVH GVEVMPLHTV PIPGLQFEGP DAPVYEVTLT ASLGLTNTLA</p> <p>DVPDSVVQGR GQKQLISTS DRKLLKFILQ HVTYTSTGYQ HQKVDIVSLE SRSSVAKFPV</p> <p>TIRHPVIPKL YDPGPERKLR NLVTIATKTF LRPHKLMIML RSIREYYPDL TVIVADDSQK</p> <p>PLEIKDNHVE YYTMPFGKGW FAGRNLAISQ VTTKYVLWVD DDFLFNEETK IEVLVDVLEK</p> <p>TELDVVGGSV LGNVFQFKLL LEQSENGACL HKRMGFFQPL DGFPSVCVTS GVVNFFLAHT</p> <p>ERLQRVGFDP RLQRVAHSEF FIDGLGTLLV GSCPEVIIGH QSRSPVVDSE LAALEKTYNT</p> <p>YRSNTLTRVQ FKLALHYFKN HLQCAA 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>

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	B4GALNT2
Alternative Name:	B4GALNT2 (B4GALNT2 Products)
Background:	<p>Beta-1,4 N-acetylgalactosaminyltransferase 2 (EC 2.4.1.-) (Sd(a) beta-1,4-GalNAc transferase) (UDP-GalNAc:Neu5Aca2-3Galb-R b1,4-N-acetylgalactosaminyltransferase),FUNCTION: Involved in the synthesis of the Sd(a) antigen (Sia-alpha2,3-[GalNAc-beta1,4]Gal-beta1,4-GlcNAc), a carbohydrate determinant expressed on erythrocytes, the colonic mucosa and other tissues. Transfers a beta-1,4-linked GalNAc to the galactose residue of an alpha-2,3-sialylated chain. {ECO:0000269 PubMed:12678917, ECO:0000269 PubMed:14688233}.</p>
Molecular Weight:	63.3 kDa
UniProt:	Q8NHY0

Application Details

Application Notes:	We expect the protein to work for functional studies. 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