

Datasheet for ABIN7555464

ST6GAL2 Protein (AA 1-529) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ST6GAL2
Protein Characteristics:	AA 1-529
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST6GAL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ST6GAL2 Protein expressed in mammalian cells.
Sequence:	<p>MKPHLKQWRQ RMLFGIFAWG LLFLLIFIYF TDSNPAEPVP SSSLFLETRR LLPVQGKQRA</p> <p>IMGAAHEPSP PGGLDARQAL PRAHPAGSFH AGPGDLQKWA QSQDGFHEKE FFSSQVGRKS</p> <p>QSAFYPEDDD YFFAAGQPGW HSHTQGTGTF PSPGEPGPPE GAFPAAQVQR RRVKKRHRRQ</p> <p>RRSHVLEEGD DGDRLYSSMS RAFLYRLWKG NVSSKMLNPR LQKAMKDYLK ANKHGVRFRG</p> <p>KREAGLSRAQ LLCQLRSRAR VRTLDGTEAP FSALGWRRLLV PAVPLSQLHP RGLRSCAVVM</p> <p>SAGAILNSSL GEEIDSHDAV LRFNSAPTRG YEKDVGNKTT IRIINSQILT NPSHHFIDSS</p> <p>LYKDVLVAV DPAPYSANLN LWYKKPDYNL FTPYIQRQR NPNQPFYILH PKFIWQLWDI</p> <p>IQENTKEKIQ PNPPSSGFIG ILIMMSMCRE VHVYIEYIPSV RQTELCHYE LYYDAACTLG</p> <p>AYHPLLYEKL LVQRLNMGTD GDLHRKGKVV LPGFQAVHCP APSVIPHS Sequence without tag.</p> <p>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:	ST6GAL2
Alternative Name:	ST6GAL2 (ST6GAL2 Products)
Background:	<p>Beta-galactoside alpha-2,6-sialyltransferase 2 (Alpha 2,6-ST 2) (EC 2.4.3.1) (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 2) (ST6Gal II) (ST6GalII) (hST6Gal II) (Sialyltransferase 2),FUNCTION: Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates. Has alpha-2,6-sialyltransferase activity toward oligosaccharides that have the Gal-beta-1,4-GlcNAc sequence at the non-reducing end of their carbohydrate groups, but it has weak or no activities toward glycoproteins and glycolipids. {ECO:0000269 PubMed:12235148}.</p>
Molecular Weight:	60.2 kDa
UniProt:	Q96JF0

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