

Datasheet for ABIN7558166

ST6GAL2 Protein (AA 1-524) (His tag)



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Overview

Quantity:	1 mg
Target:	ST6GAL2
Protein Characteristics:	AA 1-524
Origin:	Mouse
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 RMLFGIFVWG LLFLAIFIYF TNSNPAAPMP SSFSFLERRG LLPLQGKQRV</p> <p>IMGALQEPSL PRSLDASKVL LDShPENPFH PWPGBPQKWD QAPNGFDNGD EFFTSSQVGRK</p> <p>SQSAFYPEED SYFFVADQPE LYHHRQGALE LPSPGETSWR SGPVQPKQKL LHPRRGSLPE</p> <p>EAYDSMMLSA SMSRAFLYRL WKGAVSSKML NPRLQKAMRY YMSFNKHGVR FRRRGRREAT</p> <p>RTGPELLCEM RRRVRVRTLD GREAPFSGLG WRPLVPGVPL SQLHPRGLSS CAVVMSAGAI</p> <p>LNSSLGEEID SHDAVLRFNS APTRGYEKDV GNKTTVRIIN SQILANPSHH FIDSALYKDV</p> <p>ILVAWDPAPY SANLNLWYKK PDYNLFTPYI QHRRKYPTQP FYILHPKFIW QLWDIIQENT</p> <p>REKIQNPPTS SGFIGILIMM SMCKEVHVE YIPSVRQTEL CHYHELYYDA ACTLGAYHPL</p> <p>LYEKLLVQRL NTGTQADLHH KGKVVLPGFQ TLRCPVTSPN NTHS 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:	ST6GAL2
Alternative Name:	St6gal2 (ST6GAL2 Products)
Background:	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) (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.
Molecular Weight:	60.2 kDa
UniProt:	Q76K27

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