Datasheet for ABIN7546022

ST8SIA4 Protein (AA 1-359) (His tag)

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Overview

Quantity:	1 mg
Target:	ST8SIA4
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST8SIA4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ST8SIA4 Protein expressed in mammalien cells.
Sequence:	MRSIRKRWTI CTISLLLIFY KTKEIARTEE HQETQLIGDG ELSLSRSLVN SSDKIIRKAG SSIFQHNVEG WKINSSLVLE IRKNILRFLD AERDVSVVKS SFKPGDVIHY VLDRRRTLNI SHDLHSLLPE VSPMKNRRFK TCAVVGNSGI LLDSECGKEI DSHNFVIRCN LAPVVEFAAD VGTKSDFITM NPSVVQRAFG GFRNESDREK FVHRLSMLND SVLWIPAFMV KGGEKHVEWV NALILKNKLK VRTAYPSLRL IHAVRGYWLT NKVPIKRPST GLLMYTLATR FCDEIHLYGF WPFPKDLNGK AVKYHYYDDL KYRYFSNASP HRMPLEFKTL NVLHNRGALK LTTGKCVKQ **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.**
Characteristics:	Key Benefits:

Product Details

	• Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	ST8SIA4
Alternative Name:	ST8SIA4 (ST8SIA4 Products)
Background:	CMP-N-acetylneuraminate-poly-alpha-2,8-sialyltransferase (EC 2.4.3.-) (Alpha-2,8-sialyltransferase 8D) (Polysialyltransferase) (Polysialyltransferase-1) (Sialyltransferase 8D) (SIAT8-D) (Sialyltransferase St8Sia IV) (ST8SiaIV),FUNCTION: Catalyzes the transfer of a sialic acid from a CMP-linked sialic acid donor onto a terminal alpha-2,3-, alpha-2,6-, or alpha-2,8-linked sialic acid of an N-linked glycan protein acceptor through alpha-2,8-linkages (PubMed:10766765, PubMed:11279095, PubMed:9774483, PubMed:28810663). Therefore, participates in polysialic acid synthesis on various sialylated N-acetyllactosaminyl oligosaccharides, including NCAM1 N-glycans, FETUB N-glycans and AHSG (PubMed:10766765, PubMed:11279095, PubMed:9774483, PubMed:28810663). It is noteworthy that alpha-2,3-linked sialic acid is apparently a better acceptor than alpha-2,6-linked sialic acid (PubMed:9774483). {ECO:0000269|PubMed:10766765, ECO:0000269|PubMed:11279095, ECO:0000269|PubMed:28810663, ECO:0000269|PubMed:9774483}.
Molecular Weight:	41.3 kDa

Target Details

UniProt:	Q92187

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