

Datasheet for ABIN7556783
ST3GAL3 Protein (AA 1-374) (His tag)



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Overview

Quantity:	1 mg
Target:	ST3GAL3
Protein Characteristics:	AA 1-374
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST3GAL3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant St3gal3 Protein expressed in mammalian cells.
Sequence:	MGLLVFVRNL LLALCLFLVL GFLYSAWKL HLLQWEDSNS LLLSLDSAGQ TLGTEYDRLG FLLKLDSKLP AELATKYANF SEGACKPGYA SAMMTAIFPR FSKPAPMFLD DSFRKWARIR EFVPPFGIKG QDNLIKAILS VTKEYRLTPA LDSLHCRRCI IVGNGGVLAN KSLGSRIDY DIVIRLNSAP VKGFERDVGS KTTLRITYPE GAMQRPEQYE RDSLFVLAGF KWQDFKWLKY IVYKERSVAS DGFWKS VATR VPKEPPEIRI LNPYFIQEA FTLIGLPFNN GLMGRGNIPT LGSVAVTMAL HGCDEVAVAG FGYDMNTPNA PLHYETVRM AAIKESWTHN IQREKEFLRK LVKARVITDL SSGI 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.
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:	Key Benefits:

Product Details

- 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).

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ST3GAL3
Alternative Name:	St3gal3 (ST3GAL3 Products)
Background:	<p>CMP-N-acetylneuraminate-beta-1,4-galactoside alpha-2,3-sialyltransferase (EC 2.4.3.6) (Beta-galactoside alpha-2,3-sialyltransferase 3) (Alpha 2,3-ST 3) (Gal beta-1,3(4) GlcNAc alpha-2,3 sialyltransferase) (N-acetyllactosaminide alpha-2,3-sialyltransferase) (ST3Gal III) (ST3GalIII) (ST3N) (Sialyltransferase 6),FUNCTION: Catalyzes the formation of the NeuAc-alpha-2,3-Gal-beta-1,4-GlcNAc-, NeuAc-alpha-2,3-Gal-beta-1,3-GlcNAc- and NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- sequences found in terminal carbohydrate groups of glycoproteins and glycolipids. The highest activity is toward Gal-beta-1,3-GlcNAc and the lowest toward Gal-beta-1,3-GalNAc. {ECO:0000269 PubMed:9184827}.</p>
Molecular Weight:	42.1 kDa
UniProt:	P97325
Pathways:	Glycosaminoglycan Metabolic Process

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
