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Datasheet for ABIN1097583

**ST6GAL1 Protein (AA 27-406) (His tag)**

## Overview

Quantity:	50 µg
Target:	ST6GAL1
Protein Characteristics:	AA 27-406
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST6GAL1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human $\beta$ -Galactoside $\alpha$ -2,6-Sialyltransferase 1/ST6GAL1 (C-6His)
Sequence:	KEKKKGSYYD SFKLQTKFEQ VLKSLGKLAM GSDSQSVSSS STQDPHRGRQ TLGSLRGLAK AKPEASFQVW NKDSSSKNLI PRLQKIWKY LSMNKYKVS Y KGP GPGIKFS AEALRCHLRD HVNVMVEVT DFPNTSEWE GYLPKESIRT KAGPWGRCAV VSSAGSLKSS QLGREIDDHD AVLRFNGAPT ANFQQDVGTK TTIRLMNSQL VTTEKRFLKD SLYNEGILIV WDPSVYHSDI PKWYQNP DYN FFNNYKTYRK LHPNQPFYIL KPQMPWELWD ILQEISPEEI QPNPPSSGML GIIIMMTLCD QVDIYEFLPS KRKTDVCYYY QKFFDSACTM GAYHPLLYEK NLVKHLNQGT DEDIYLLGKA TLPGFRTIHC VDH HHHHHH
Characteristics:	Recombinant Human beta-Galactoside alpha-2,6-Sialyltransferase 1/ST6GAL1 produced by transfected human cells is a secreted protein with sequence (Lys27-Cys406) of Human ST6GAL1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	ST6GAL1
Alternative Name:	st6gal1 ( <a href="#">ST6GAL1 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>The ST6GAL1 gene encodes beta-Galactosamide alpha-2,6-Sialyltransferase 1. It is a type II membrane protein and is localized to the trans-Golgi network. It catalyzes 2,6-sialylation of Galbeta1,4-GlcNAc structures on N-glycans. ST6GAL1 is highly expressed in the liver and other tissues. ST6GAL1 deficiency causes abnormalities in B-cell immunoreactivity. The expression and activity of ST6GAL1 are associated with tumor metastasis in breast and colon cancers. The majority of ST6GAL1 in the liver is cleaved and secreted into the serum and may be used as a biomarker for hepatitis diseases.</p> <p>Alternative Names: Beta-Galactoside Alpha-2,6-Sialyltransferase 1, Alpha 2,6-ST 1, B-Cell Antigen CD75, CMP-N-Acetylneuraminate-Beta-Galactosamide-Alpha-2,6-Sialyltransferase 1, ST6Gal I, ST6Gall, Sialyltransferase 1, ST6GAL1, SIAT1</p>
Molecular Weight:	44.6 kDa
UniProt:	<a href="#">P15907</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C

Handling

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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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