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Datasheet for ABIN7319313 **ST6GAL1 Protein (His tag)**

Overview

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

Product Details

Purpose:	Recombinant Human ST6GAL1 Protein (His Tag)
Sequence:	Lys27-Cys406
Characteristics:	Recombinant Human beta-Galactoside alpha-2,6-Sialyltransferase 1 is produced by our Mammalian expression system and the target gene encoding Lys27-Cys406 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ST6GAL1
Alternative Name:	ST6GAL1 (ST6GAL1 Products)
Background:	Background: The ST6GAL1 gene encodes β -Galactosamide α -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

Target Details

Gal β 1,4-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.

Synonym: 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

Molecular Weight: 44.6 kDa

UniProt: [P15907](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 μ m filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Storage: -20 °C

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