

Datasheet for ABIN7320160
ST6GAL1 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ST6GAL1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ST6GAL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse ST6GAL1 Protein (His Tag)(Active)
Sequence:	Lys 27-Cys 403
Characteristics:	A DNA sequence encoding the extracellular domain of mouse ST6GAL1 (NP_666045.1) (Lys 27-Cys 403) was fused with a polyhistidine tag at the N-terminus.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetyllactosamine. The specific activity is > 150 pmol/min/µg.

Target Details

Target:	ST6GAL1
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Target Details

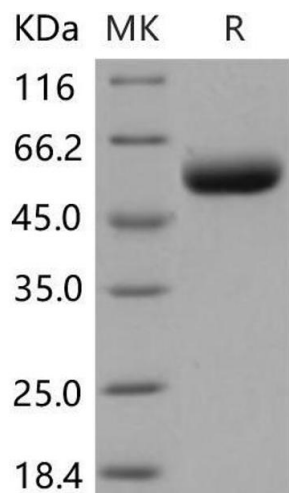
Alternative Name:	ST6GAL1 (ST6GAL1 Products)
Background:	<p>Background: Beta-galactoside alpha-2,6-sialyltransferase 1, also known as B-cell antigen CD75, Sialyltransferase 1, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1, ST6GAL1 and SIAT1, is a single-pass type II membrane protein which belongs to the glycosyltransferase 29 family. Sialyltransferases are key enzymes in the biosynthesis of sialoglycoconjugates that catalyze the transfer of sialic residue from its activated form to an oligosaccharidic acceptor. ST6GAL1 / SIAT1 is normally found in the Golgi but which can be proteolytically processed to a soluble form. It is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CDw75, and CD76. β-Galactoside α2,6-sialyltransferases ST6GAL1 and ST6GAL2 are the two unique members of the ST6GAL family described in higher vertebrates. ST6GAL1 / SIAT1 transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates.</p> <p>Synonym: AW742324,Siat1,St6gal,St6Gal-I,St6gall</p>
Molecular Weight:	45.9 kDa
NCBI Accession:	NP_666045

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.