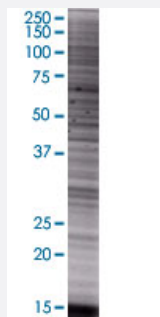


ST6GALNAC1 293T Cell Transient Overexpression Lysate(Denatured)

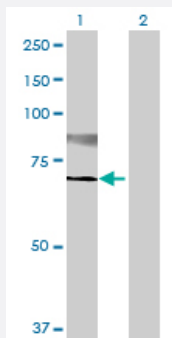
Catalog # H00055808-T01 Size 100 uL

Applications



SDS-PAGE Gel

ST6GALNAC1 transfected lysate.



Western Blot

Lane 1: ST6GALNAC1 transfected lysate (66.11 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ST6GALNAC1 full-length
Host	Human
Theoretical MW (kDa)	66.11
Interspecies Antigen Sequence	Mouse (71); Rat (61)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ST6GALNAC1 antibody ([H00055808-B01](#)) by Western Blots.
 SDS-PAGE Gel
 ST6GALNAC1 transfected lysate.
 Western Blot
 Lane 1: ST6GALNAC1 transfected lysate (66.11 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ST6GALNAC1

Entrez GeneID

[55808](#)

GeneBank Accession#

[NM_018414.3](#)

Protein Accession#

[NP_060884.1](#)

Gene Name

ST6GALNAC1

Gene Alias

HSY11339, SIAT7A, ST6GalNAcI, STYI

Gene Description

ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyl transferase 1

Omim ID

[610138](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]).[supplied by OMIM]

Other Designations

GalNAc alpha-2, 6-sialyltransferase II|GalNAc alpha-2, 6-sialyltransferase I, long form|alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase|sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sia

Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

Disease

- [Tobacco Use Disorder](#)