

Recombinant Human ST6GALNAC1 293 Cell Lysate

Cat. No. ST6GALNAC1-1438HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 1 (ST6GALNAC1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name ST6GALNAC1 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 1 [Homo sapiens]

Official Symbol ST6GALNAC1

Synonyms ST6GALNAC1; ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 1; sialyltransferase 7 ((alpha N acetylneuraminy 2,3 beta galactosyl 1,3) N acetyl galactosaminide alpha 2,6 sialyltransferase) A , SIAT7A; alpha-N-acetylglactosaminide alpha-2,6-sialyltransferase 1; ST6GalNAcI; SIAT7-A; ST6GalNAc I; sialyltransferase 7A; galNAc alpha-2,6-sialyltransferase I; GalNAc alpha-2, 6-sialyltransferase I, long form; sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) A; STYI; SIAT7A; HSY11339;

Gene ID 55808

mRNA Refseq NM_018414

Protein Refseq NP_060884

MIM 610138

UniProt ID Q9NSC7

Chromosome 17q25.3

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Location**Pathway**

Metabolic pathways, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem;

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