

Recombinant Human ST8SIA2 293 Cell Lysate

Cat. No. ST8SIA2-1433HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 (ST8SIA2) 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	ST8SIA2 ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 [Homo sapiens]
Official Symbol	ST8SIA2
Synonyms	ST8SIA2; ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2; sialyltransferase 8 (alpha 2, 8 sialyltransferase) B , SIAT8B; alpha-2,8-sialyltransferase 8B; HsT19690; ST8SIA II; STX; SIAT8-B; ST8Siall; sialyltransferase X; sialyltransferase 8B; sialyltransferase St8Sia II; alpha-2,8-sialyltransferase 8B 1; sialyltransferase 8 (alpha-2, 8-sialyltransferase) B; SIAT8B; ST8SIA-II; MGC116854; MGC116857;
Gene ID	8128
mRNA Refseq	NM_006011
Protein Refseq	NP_006002
MIM	602546
UniProt ID	Q92186
Chromosome Location	15q26

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Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan antennae elongation, organism-specific biosystem; N-glycan antennae elongation in the medial/trans-Golgi, organism-specific biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem;

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