

Recombinant Human ST3GAL5 293 Cell Lysate

Cat. No. ST3GAL5-1440HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 1 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

ST3GAL5 ST3 beta-galactoside alpha-2,3-sialyltransferase 5 [Homo sapiens]

Official Symbol

ST3GAL5

Synonyms

ST3GAL5; ST3 beta-galactoside alpha-2,3-sialyltransferase 5; sialyltransferase 9 (CMP NeuAc:lactosylceramide alpha 2,3 sialyltransferase; GM3 synthase) , SIAT9; lactosylceramide alpha-2,3-sialyltransferase; SIATGM3S; ST3GalV; ST3Gal V; GM3 synthase; ganglioside GM3 synthase; alpha 2,3-sialyltransferase V; CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; sialyltransferase 9 (CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; GM3 synthase); SATI; SIAT9;

Gene ID

8869

mRNA Refseq

NM_001042437

Protein Refseq

NP_001035902

MIM

604402

UniProt ID

Q9UNP4

Chromosome Location

2p11.2

Pathway

Ganglio Sphingolipid Metabolism, organism-specific biosystem; Glycosphingolipid

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biosynthesis - ganglio series, organism-specific biosystem; Glycosphingolipid
biosynthesis - ganglio series, conserved biosystem; Glycosphingolipid biosynthesis,
ganglio series, LacCer =>GT3, organism-specific biosystem; Glycosphingolipid
biosynthesis, ganglio series, LacCer => GT3, conserved biosystem;

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