

Recombinant Human ST3GAL3 293 Cell Lysate

Cat. No. ST3GAL3-1441HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ST3 beta-galactoside alpha-2,3-sialyltransferase 3 (ST3GAL3), transcript variant 2 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

ST3GAL3 ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Homo sapiens]

Official Symbol

ST3GAL3

Synonyms

ST3GAL3; ST3 beta-galactoside alpha-2,3-sialyltransferase 3; sialyltransferase 6 (N acetylglucosaminide alpha 2,3 sialyltransferase) , SIAT6; CMP-N-acetylneuraminic-beta-1,4-galactoside alpha-2,3-sialyltransferase; ST3Gal III; alpha 2,3-ST 3; alpha-2,3-sialyltransferase II; alpha 2,3-sialyltransferase III; Gal beta-1,3(4)GlcNAc alpha-2,3 sialyltransferase; sialyltransferase 6 (N-acetylglucosaminide alpha 2,3-sialyltransferase); ST3N; MRT12; SIAT6; ST3GALII; ST3GalIII;

Gene ID

6487

mRNA Refseq

NM_006279

Protein Refseq

NP_006270

MIM

606494

UniProt ID

Q11203

Chromosome Location

1p34.1

Pathway

Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem;

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Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;
Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem;
Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem;
Metabolic pathways, organism-specific biosystem;
Metabolism of proteins, organism-specific biosystem;
O-linked glycosylation of mucins, organism-specific biosystem;