

Recombinant Human ST3GAL3 293 Cell Lysate

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

SPECIFICATION

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.
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

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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 acid 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](#); [Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem](#); [Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific](#)

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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;

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