

Recombinant Human HS3ST2 293 Cell Lysate

Cat. No. HS3ST2-5386HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2) 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

HS3ST2 heparan sulfate (glucosamine) 3-O-sulfotransferase 2 [Homo sapiens]

Official Symbol

HS3ST2

Synonyms

HS3ST2; heparan sulfate (glucosamine) 3-O-sulfotransferase 2; heparan sulfate glucosamine 3-O-sulfotransferase 2; 3OST2; 3-OST-2; h3-OST-2; heparan sulfate 3-O-sulfotransferase 2; heparin-glucosamine 3-O-sulfotransferase; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 2; 3OST2;

Gene ID

9956

mRNA Refseq

NM_006043

Protein Refseq

NP_006034

MIM

604056

UniProt ID

Q9Y278

Chromosome Location

16p12

Pathway

Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis,

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conserved biosystem; heparan sulfate biosynthesis (late stages), organism-specific biosystem; heparan sulfate biosynthesis (late stages), conserved biosystem;

Function

[heparan sulfate]-glucosamine 3-sulfotransferase 2 activity; sulfotransferase activity; transferase activity;

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