

Recombinant Human HS3ST5 293 Cell Lysate

Cat. No. HS3ST5-5385HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for heparan sulfate (glucosamine) 3-O-sulfotransferase 5 (HS3ST5) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC210876, OriGene Technologies, Inc.) 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

HS3ST5 heparan sulfate (glucosamine) 3-O-sulfotransferase 5 [Homo sapiens]

Official Symbol

HS3ST5

Synonyms

HS3ST5; heparan sulfate (glucosamine) 3-O-sulfotransferase 5; heparan sulfate glucosamine 3-O-sulfotransferase 5; 3 OST 5; h3-OST-5; heparan sulfate 3-OST-5; heparan sulfate 3-O-sulfotransferase 5; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 5; 3OST5; 3-OST-5; HS3OST5; NBLA04021;

Gene ID

222537

mRNA Refseq

NM_153612

Protein Refseq

NP_705840

MIM

609407

UniProt ID

Q8IZT8

Chromosome Location

6q21

Pathway

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

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Function

3-phosphoadenosine 5-phosphosulfate binding; [heparan sulfate]-glucosamine 3-sulfotransferase 1 activity; protein binding; sulfotransferase activity; transferase activity;

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