

Recombinant Human HS3ST3A1 cell lysate

Cat. No. HS3ST3A1-817HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	HS3ST3A1 heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 [Homo sapiens]
Official Symbol	HS3ST3A1

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Synonyms	HS3ST3A1; heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1; heparan sulfate glucosamine 3-O-sulfotransferase 3A1; 3OST3A1; 3OST3A1; 3-OST-3A; h3-OST-3A; heparan sulfate 3-O-sulfotransferase 3A1; heparin-glucosamine 3-O-sulfotransferase; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1;
Gene ID	9955
mRNA Refseq	NM_006042
Protein Refseq	NP_006033
MIM	604057
UniProt ID	Q9Y663
Chromosome Location	17p12
Pathway	Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis, conserved biosystem; heparan sulfate biosynthesis (late stages), organism-specific biosystem; heparan sulfate biosynthesis (late stages), conserved biosystem;
Function	[heparan sulfate]-glucosamine 3-sulfotransferase 3 activity; sulfotransferase activity; transferase activity;