

Recombinant Human CHST1 293 Cell Lysate

Cat. No. CHST1-7509HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 (CHST1) 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 CHST1 carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 [Homo sapiens]

Official Symbol CHST1

Synonyms CHST1; carbohydrate (keratan sulfate Gal-6) sulfotransferase 1; carbohydrate sulfotransferase 1; C6ST; KSGal6ST; carbohydrate (chondroitin 6/keratan) sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1; KSST; GST-1; KS6ST;

Gene ID 8534

mRNA Refseq NM_003654

Protein Refseq NP_003645

MIM 603797

UniProt ID O43916

Chromosome Location 11p11.2

Pathway Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem;
Glycosaminoglycan biosynthesis - keratan sulfate, conserved biosystem;

Function keratan sulfotransferase activity; sulfotransferase activity; transferase activity;

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