

Recombinant Human CHST12 293 Cell Lysate

Cat. No. CHST12-7507HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for carbohydrate (chondroitin 4) sulfotransferase 12 (CHST12) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 CHST12 carbohydrate (chondroitin 4) sulfotransferase 12 [Homo sapiens]

Official Symbol CHST12

Synonyms CHST12; carbohydrate (chondroitin 4) sulfotransferase 12; carbohydrate sulfotransferase 12; C4S 2; C4ST2; sulfotransferase Hlo; chondroitin 4-sulfotransferase 2; chondroitin 4-O-sulfotransferase 2; C4S-2; C4ST-2;

Gene ID 55501

mRNA Refseq NM_001243794

Protein Refseq NP_001230723

MIM 610129

UniProt ID Q9NRB3

Chromosome Location 7p22

Pathway

Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Sulfur metabolism, organism-specific biosystem; Sulfur metabolism, conserved biosystem; chondroitin sulfate biosynthesis, organism-specific biosystem; chondroitin sulfate

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

Function

3-phosphoadenosine 5-phosphosulfate binding; chondroitin 4-sulfotransferase activity; sulfotransferase activity; transferase activity;

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