

Recombinant Human CHST11 cell lysate

Cat. No. CHST11-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHST11 / C4ST-1 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	CHST11 carbohydrate (chondroitin 4) sulfotransferase 11 [Homo sapiens]
Official Symbol	CHST11
Synonyms	CHST11; carbohydrate (chondroitin 4) sulfotransferase 11; carbohydrate sulfotransferase 11; C4ST; C4St 1; C4ST1; HSA269537; C4S-1; IgH/CHST11 fusion; chondroitin 4-O-sulfotransferase 1; C4ST-1; FLJ41682; DKFZp667A035;
Gene ID	50515
mRNA Refseq	NM_001173982
Protein Refseq	NP_001167453
MIM	610128
UniProt ID	Q9NPF2

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Chromosome Location	12q23.3
Pathway	Endochondral Ossification, organism-specific biosystem; 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 biosynthesis, conserved biosystem;
Function	N-acetylgalactosamine 4-O-sulfotransferase activity; chondroitin 4-sulfotransferase activity; transferase activity;

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