

Recombinant Human CHPF 293 Cell Lysate

Cat. No. CHPF-7526HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chondroitin polymerizing factor (CHPF) 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.

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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 [CHPF chondroitin polymerizing factor \[Homo sapiens \]](#)

Official Symbol CHPF

Synonyms CSS2; CHSY2

Gene ID [79586](#)

mRNA Refseq [NM_024536.5](#)

Protein Refseq [NP_078812.2](#)

MIM [610405](#)

UniProt ID [Q8IZ52](#)

Chromosome Location 2q35

Pathway

Chondroitin sulfate biosynthesis, organism-specific biosystem;Chondroitin sulfate/dermatan sulfate metabolism, organism-specific biosystem;Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem;Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem;Glycosaminoglycan biosynthesis, chondroitin sulfate backbone, organism-specific biosystem;Glycosaminoglycan biosynthesis, chondroitin sulfate backbone,

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conserved biosystem;Glycosaminoglycan metabolism, organism-specific biosystem;

Function

N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase activity;glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase activity;metal ion binding;

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