

Recombinant Human CSGALNACT2 293 Cell Lysate

Cat. No. CSGALNACT2-7248HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for chondroitin sulfate N-acetylgalactosaminyltransferase 2 (CSGALNACT2) is a lysate prepared from HEK293T cells transiently transfected with a TrueO RF 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	CSGALNACT2 chondroitin sulfate N-acetylgalactosaminyltransferase 2 [Homo sapiens]
Official Symbol	CSGALNACT2
Synonyms	CSGALNACT2; chondroitin sulfate N-acetylgalactosaminyltransferase 2; chondroitin beta1; 4 N acetylgalactosaminyltransferase 2; GALNACT 2; GALNACT2; MGC40204; PRO0082; beta4GalNAcT-2; beta 4 GalNAcT-2; chondroitin sulfate GalNAcT-2; chondroitin beta1,4 N-acetylgalactosaminyltransferase 2; chondroitin beta-1,4-N-acetylgalactosaminyltransferase 2; CHGN2; GALNACT-2; FLJ43310; DKFZp686H13226;
Gene ID	55454
mRNA Refseq	NM_018590
Protein Refseq	NP_061060
UniProt ID	Q8N6G5
Chromosome Location	10q11.21
Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem;

 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

Glycosaminoglycan biosynthesis, chondroitin sulfate backbone, organism-specific biosystem; Glycosaminoglycan biosynthesis, chondroitin sulfate backbone, conserved biosystem; Metabolic pathways, organism-specific biosystem; chondroitin and dermatan biosynthesis, organism-specific biosystem; chondroitin and dermatan biosynthesis, conserved biosystem;

Function

acetylgalactosaminyltransferase activity; glucuronylgalactosylproteoglycan 4-beta-N-acetylgalactosaminyltransferase activity; metal ion binding; transferase activity;

 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