

Recombinant Human DCXR 293 Cell Lysate

Cat. No. DCXR-7030HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dicarbonyl/L-xylulose reductase (DCXR) 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

DCXR dicarbonyl/L-xylulose reductase [Homo sapiens]

Official Symbol

DCXR

Synonyms

DCXR; dicarbonyl/L-xylulose reductase; L-xylulose reductase; DCR; KIDCR; SDR20C1; short chain dehydrogenase/reductase family 20C; member 1; carbonyl reductase 2; carbonyl reductase II; sperm surface protein P34H; kidney dicarbonyl reductase; short chain dehydrogenase/reductase family 20C, member 1; XR; HCR2; P34H; HCRII;

Gene ID

51181

mRNA Refseq

NM_001195218

Protein Refseq

NP_001182147

MIM

608347

UniProt ID

Q7Z4W1

**Chromosome
Location**

17q25.3

Pathway

D-glucuronate degradation I, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Pentose and glucuronate interconversions, organism-

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specific biosystem; Pentose and glucuronate interconversions, conserved biosystem;

Function

L-xylulose reductase (NADP+) activity; nucleotide binding; oxidoreductase activity, acting on CH-OH group of donors; oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor;

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