

Recombinant Human RDH5 293 Cell Lysate

Cat. No. RDH5-2435HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol dehydrogenase 5 (11-cis/9-cis) (RDH5) 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

RDH5 retinol dehydrogenase 5 (11-cis/9-cis) [Homo sapiens]

Official Symbol

RDH5

Synonyms

RDH5; retinol dehydrogenase 5 (11-cis/9-cis); RDH1, retinol dehydrogenase 5 (11 cis and 9 cis); 11-cis retinol dehydrogenase; HSD17B9; SDR9C5; short chain dehydrogenase/reductase family 9C; member 5; 11-cis RDH; retinol dehydrogenase 1; 9-cis-retinol specific dehydrogenase; retinol dehydrogenase 5 (11-cis and 9-cis); short chain dehydrogenase/reductase family 9C, member 5; RDH1; FLJ39337; FLJ97089;

Gene ID

5959

mRNA Refseq

NM_001199771

Protein Refseq

NP_001186700

MIM

601617

UniProt ID

Q92781

Chromosome Location

12q13-q14

Pathway

Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved

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biosystem; Visual signal transduction: Cones, organism-specific biosystem; Visual signal transduction: Rods, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; the visual cycle, conserved biosystem; the visual cycle, organism-specific biosystem;

Function

nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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