

Recombinant Human RDH11 293 Cell Lysate

Cat. No. RDH11-2438HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol dehydrogenase 11 (all-trans/9-cis/11-cis) (RDH11) 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

RDH11 retinol dehydrogenase 11 (all-trans/9-cis/11-cis) [Homo sapiens]

Official Symbol

RDH11

Synonyms

RDH11; retinol dehydrogenase 11 (all-trans/9-cis/11-cis); retinol dehydrogenase 11 (all trans and 9 cis); retinol dehydrogenase 11; androgen regulated short chain dehydrogenase/reductase 1; ARSDR1; MDT1; SDR7C1; short chain dehydrogenase/reductase family 7C; member 1; retinal reductase 1; HCV core-binding protein HCBP12; prostate short-chain dehydrogenase reductase 1; prostate short-chain dehydrogenase/reductase 1; short chain dehydrogenase/reductase family 7C, member 1; androgen-regulated short-chain dehydrogenase/reductase 1; CGI82; PSDR1; RALR1; SCALD; HCBP12; FLJ32633;

Gene ID

51109

mRNA Refseq

NM_001252650

Protein Refseq

NP_001239579

MIM

607849

UniProt ID

Q8TC12

**Chromosome
Location**

14q24.1

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Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and vitamins A and D, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Vitamin A uptake in enterocytes, organism-specific biosystem;
Function	NADP-retinol dehydrogenase activity; nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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