

Recombinant Human RDH10 293 Cell Lysate

Cat. No. RDH10-2439HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol dehydrogenase 10 (all-trans) (RDH10) 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

RDH10 retinol dehydrogenase 10 (all-trans) [Homo sapiens]

Official Symbol

RDH10

Synonyms

RDH10; retinol dehydrogenase 10 (all-trans); retinol dehydrogenase 10; SDR16C4; short chain dehydrogenase/reductase family 16C; member 4; short chain dehydrogenase/reductase family 16C, member 4;

Gene ID

157506

mRNA Refseq

NM_172037

Protein Refseq

NP_742034

MIM

607599

UniProt ID

Q8IZV5

**Chromosome
Location**

8q21.11

Pathway

Metabolic pathways, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; retinol biosynthesis, conserved biosystem; retinol biosynthesis, organism-specific biosystem; the visual cycle,

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conserved biosystem;

Function

NADP-retinol dehydrogenase activity; nucleotide binding; oxidoreductase activity;
retinol dehydrogenase activity;

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