

Recombinant Human RDH14 293 Cell Lysate

Cat. No. RDH14-2436HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol dehydrogenase 14 (all-trans/9-cis/11-cis) (RDH14) 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

RDH14 retinol dehydrogenase 14 (all-trans/9-cis/11-cis) [Homo sapiens]

Official Symbol

RDH14

Synonyms

RDH14; retinol dehydrogenase 14 (all-trans/9-cis/11-cis); retinol dehydrogenase 14 (all trans and 9 cis); retinol dehydrogenase 14; PAN2; SDR7C4; short chain dehydrogenase/reductase family 7C; member 4; pancreas protein 2; alcohol dehydrogenase PAN2; retinol dehydrogenase 14 (all-trans and 9-cis); short chain dehydrogenase/reductase family 7C, member 4;

Gene ID

57665

mRNA Refseq

NM_020905

Protein Refseq

NP_065956

UniProt ID

Q9HBH5

**Chromosome
Location**

2p24.2

Pathway

Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine catabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; adenosine nucleotides degradation II, organism-specific biosystem; purine nucleotides degradation II (aerobic), organism-

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specific biosystem;

Function

nucleotide binding; oxidoreductase activity;

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