Recombinant Human RDH12 293 Cell Lysate

Cat. No. RDH12-2437HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for retinol dehydrogenase 12 (all-trans/9-cis/11-cis) (RDH12) 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	RDH12 retinol dehydrogenase 12 (all-trans/9-cis/11-cis) [Homo sapiens]
Official Symbol	RDH12
Synonyms	RDH12; retinol dehydrogenase 12 (all-trans/9-cis/11-cis); retinol dehydrogenase 12 (all trans and 9 cis); retinol dehydrogenase 12; FLJ30273; LCA13; SDR7C2; short chain dehydrogenase/reductase family 7C; member 2; all-trans and 9-cis retinol dehydrogenase; retinol dehydrogenase 12, all-trans and 9-cis; short chain dehydrogenase/reductase family 7C, member 2; LCA3;
Gene ID	145226
mRNA Refseq	NM_152443
Protein Refseq	NP_689656
MIM	608830
UniProt ID	Q96NR8
Chromosome Location	14q24.1
Pathway	Metabolic pathways, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Visual signal

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	transduction: Cones, organism-specific biosystem; Visual signal transduction: Rods, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem;
Function	nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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