

Recombinant Human RDH12 293 Cell Lysate

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

SPECIFICATION

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.
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

 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

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

 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



biosystem;

Function

nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

 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