

Recombinant Human LRAT 293 Cell Lysate

Cat. No. LRAT-4660HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase) (LRAT) 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 LRAT lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase) [Homo sapiens]

Official Symbol LRAT

Synonyms LRAT; lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase); lecithin retinol acyltransferase; LCA14; MGC33103;

Gene ID 9227

mRNA Refseq NM_004744

Protein Refseq NP_004735

MIM 604863

UniProt ID O95237

Chromosome Location 4q31.3

Pathway 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; Visual signal transduction: Cones,

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	organism-specific biosystem; Visual signal transduction: Rods, organism-specific biosystem;
Function	phosphatidylcholine-retinol O-acyltransferase activity; transferase activity, transferring acyl groups;

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