

Recombinant Human RETSAT 293 Cell Lysate

Cat. No. RETSAT-2415HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol saturase (all-trans-retinol 13,14-reductase) (RETSAT) 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

RETSAT retinol saturase (all-trans-retinol 13,14-reductase) [Homo sapiens]

Official Symbol

RETSAT

Synonyms

RETSAT; retinol saturase (all-trans-retinol 13,14-reductase); all-trans-retinol 13,14-reductase; FLJ20296; all-trans-13,14-dihydroretinol saturase; PPAR-alpha-regulated and starvation-induced gene protein;

Gene ID

54884

mRNA Refseq

NM_017750

Protein Refseq

NP_060220

UniProt ID

Q6NUM9

Chromosome Location

2p11.2

Pathway

Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem;

Function

all-trans-retinol 13,14-reductase activity; all-trans-retinol 13,14-reductase activity; oxidoreductase activity;

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