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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