

Recombinant Human RBP1 293 Cell Lysate

Cat. No. RBP1-2457HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol binding protein 1, cellular (RBP1), transcript variant 1 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

RBP1 retinol binding protein 1, cellular [Homo sapiens]

Official Symbol

RBP1

Synonyms

RBP1; retinol binding protein 1, cellular; retinol-binding protein 1; CRABP I; CRBP; CRBP1; CRBPI; RBPC; CRBP-I; cellular retinol-binding protein I; retinol-binding protein 1, cellular; CRABP-I;

Gene ID

5947

mRNA Refseq

NM_001130992

Protein Refseq

NP_001124464

MIM

180260

UniProt ID

P09455

**Chromosome
Location**

3q21-q23

Pathway

Retinoic acid receptors-mediated signaling, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; retinoate biosynthesis I, conserved biosystem; retinoate biosynthesis I, organism-specific biosystem; retinoate biosynthesis II, organism-specific biosystem; retinoate biosynthesis II, conserved

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biosystem; retinol biosynthesis, conserved biosystem;

Function

lipid binding; retinal binding; retinoid binding; retinol binding; transporter activity;

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