

Recombinant Human RBP7 293 Cell Lysate

Cat. No. RBP7-2455HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinol binding protein 7, cellular (RBP7) 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

RBP7 retinol binding protein 7, cellular [Homo sapiens]

Official Symbol

RBP7

Synonyms

RBP7; retinol binding protein 7, cellular; retinoid-binding protein 7; CRBP4; CRABP4; CRABP-IV; retinoid binding protein 7; cellular retinoic acid-binding protein 4; cellular retinoic acid-binding protein IV; putative cellular retinol-binding protein CRBP IV; CRBP4; MGC70641;

Gene ID

116362

mRNA Refseq

NM_052960

Protein Refseq

NP_443192

MIM

608604

UniProt ID

Q96R05

Chromosome Location

1p36.22

Pathway

Vitamin A and carotenoid metabolism, organism-specific biosystem;

Function

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

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