

Recombinant Human REV1 293 Cell Lysate

Cat. No. REV1-2414HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for REV1 homolog (<i>S. cerevisiae</i>) (REV1), 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

REV1 REV1 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

REV1

Synonyms

REV1; REV1 homolog (*S. cerevisiae*); REV1 (yeast homolog) like , REV1 like (yeast) , REV1L; DNA repair protein REV1; AIBP80; REV1- like; alpha integrin-binding protein 80; rev1-like terminal deoxycytidyl transferase; REV1L; FLJ21523; MGC26225; MGC163283;

Gene ID

51455

mRNA Refseq

NM_001037872

Protein Refseq

NP_001032961

MIM

606134

UniProt ID

Q9UBZ9

Chromosome Location

2q11.1-q11.2

Pathway

DNA Damage Bypass, organism-specific biosystem; DNA Repair, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Translesion synthesis by DNA polymerases

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bypassing lesion on DNA template, organism-specific biosystem; Translesion synthesis by HREV1, organism-specific biosystem;

Function

DNA-directed DNA polymerase activity; damaged DNA binding; deoxycytidyl transferase activity; magnesium ion binding; protein binding; transferase activity;

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