

Recombinant Human REV1 293 Cell Lysate

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

SPECIFICATION

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.
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	REV1 REV1 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	REV1
Synonyms	REV1; REV1 homolog (<i>S. cerevisiae</i>); 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 bypassing lesion on DNA template, organism-specific biosystem; Translesion synthesis by HREV1, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA