

Recombinant Human DCLRE1C 293 Cell Lysate

Cat. No. DCLRE1C-7049HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for DNA cross-link repair 1C (PSO2 homolog, <i>S. cerevisiae</i>) (DCLRE1C), transcript variant b 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

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

GENE INFORMATION

Gene Name [DCLRE1C DNA cross-link repair 1C \[Homo sapiens \]](#)

Official Symbol DCLRE1C

Synonyms

DCLRE1C; DNA cross-link repair 1C; DNA cross link repair 1C (PSO2 homolog, *S. cerevisiae*) , SCIDA, severe combined immunodeficiency, type a (Athabascan); protein artemis; A SCID; ARTEMIS; FLJ11360; PSO2 homolog (*S. cerevisiae*); SNM1C; PSO2 homolog; SNM1 homolog C; SNM1-like protein; DNA cross-link repair 1C protein; severe combined immunodeficiency, type a (Athabascan); DNA cross-link repair 1C (PSO2 homolog, *S. cerevisiae*); SCIDA; A-SCID; hSNM1C; RS-SCID; DCLREC1C; FLJ36438;

Gene ID [64421](#)

mRNA Refseq [NM_001033855](#)

Protein Refseq [NP_001029027](#)

MIM [605988](#)

UniProt ID [Q96SD1](#)

Chromosome Location 10p13

Pathway

Non-homologous end-joining, organism-specific biosystem; Non-homologous end-joining, conserved biosystem; Primary immunodeficiency, organism-specific

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biosystem; Primary immunodeficiency, conserved biosystem;

Function

5-3 exonuclease activity; endonuclease activity; hydrolase activity; single-stranded DNA specific endodeoxyribonuclease activity;

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