

Recombinant Human ERCC4 293 Cell Lysate

Cat. No. ERCC4-6564HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for excision repair cross-complementing rodent repair deficiency, complementation group 4 (ERCC4) 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	ERCC4 excision repair cross-complementing rodent repair deficiency, complementation group 4 [Homo sapiens]
Official Symbol	ERCC4
Synonyms	ERCC4; excision repair cross-complementing rodent repair deficiency, complementation group 4; XPF; DNA repair endonuclease XPF; RAD1; xeroderma pigmentosum; complementation group F; DNA excision repair protein ERCC-4; DNA repair protein complementing XP-F cells; xeroderma pigmentosum, complementation group F; xeroderma pigmentosum group F-complementing protein; excision-repair, complementing defective, in Chinese hamster; ERCC11;
Gene ID	2072
mRNA Refseq	NM_005236
Protein Refseq	NP_005227
MIM	133520
UniProt ID	Q92889
Chromosome Location	16p13.3

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Pathway

DNA Repair, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Formation of incision complex in GG-NER, organism-specific biosystem; Formation of transcription-coupled NER (TC-NER) repair complex, organism-specific biosystem;

Function

damaged DNA binding; endodeoxyribonuclease activity; contributes_to endodeoxyribonuclease activity; hydrolase activity; protein C-terminus binding; protein N-terminus binding; protein binding; single-stranded DNA binding; single-stranded DNA specific endodeoxyribonuclease activity; contributes_to structure-specific DNA binding;

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