

Recombinant Human ERCC4 293 Cell Lysate

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

SPECIFICATION

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.
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	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
Pathway	DNA Repair, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific

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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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