Recombinant Human ERCC8 293 Cell Lysate

Cat. No. ERCC8-6562HCL **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 8 (ERCC8), transcript variant 3 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.

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

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	ERCC8 excision repair cross-complementing rodent repair deficiency, complementation group 8 [Homo sapiens]
Official Symbol	ERCC8
Synonyms	ERCC8; excision repair cross-complementing rodent repair deficiency, complementation group 8; CKN1, Cockayne syndrome 1 (classical); DNA excision repair protein ERCC-8; CSA; Cockayne syndrome WD-repeat protein CSA; cockayne syndrome WD repeat protein CSA; CKN1;
Gene ID	1161
mRNA Refseq	NM_000082
Protein Refseq	NP_000073
MIM	609412
UniProt ID	Q13216
Chromosome Location	5q12.1
Pathway	Cul4-DDB1-CSA complex, organism-specific biosystem; DNA Repair, organism-specific biosystem; Dual incision reaction in TC-NER, 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

	Formation of transcription-coupled NER (TC-NER) repair complex, organism-specific biosystem; Nucleotide Excision Repair, organism-specific biosystem; Nucleotide excision repair, organism-specific biosystem; Nucleotide excision repair, conserved biosystem;
Function	NOT DNA helicase activity; NOT DNA-dependent ATPase activity; protein binding; protein complex binding; contributes_to ubiquitin-protein ligase 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