

Recombinant Human ERCC8

Cat. No. ERCC8-26850TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ERCC8 with N terminal proprietary tag, 69.56 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	396 amino acids
Description	This gene encodes a WD repeat protein, which interacts with Cockayne syndrome type B (CSB) protein and with p44 protein, a subunit of the RNA polymerase II transcription factor IIH. Mutations in this gene have been identified in patients with hereditary disease Cockayne syndrome (CS). CS cells are abnormally sensitive to ultraviolet radiation and are defective in the repair of transcriptionally active genes.
Molecular Weight	69.560kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MLGFLSARQTGLEDPRLRRAESTRRVLGLELNKDRDVER IHGGGINTLDIEPVEGR
YMLSGGSDGVIVLYDLENSRQS YYTCKAVCSIGRDHPDVHRYSVETVQWYPHDT
GMFTSSSF DKTLKVWDTNTLQTADVFNFEETVYSHHMSPVSTKHCLVA VGTRGPK
VQLCDLKSGSCSHILQGHRQEILAVSWSPRYDY ILATASADSRVKLWDVRRASGCLI
TLDQHNGKKSQAVESA NTAHNGKVNGLCFTSDGLHLLTVGTDNRMRLWNSSNGE
NT LVNYGKVCNNSSKGLKFTVSCGCSSEFVFPYGSTIAVYT VYSGEQITMLKGHY
KTVDCCVFQSNFQELYSGSRDCNILA WVPSLYEVPDDDETTTKSQLNPAFEDAW
SSSDEEG

Sequence Similarities

Contains 5 WD repeats.

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;

Gene ID

1161

mRNA Refseq

NM_000082

Protein Refseq

NP_000073

MIM

609412

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

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