

## Recombinant Human ERCC8, His-tagged

ERCC8-12527H Human

Lot. No. (See product label)

### Specification

#### Product Overview

Recombinant Human ERCC8 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

#### 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.

#### Source

E.coli

#### Species

Human

#### Tag

His

#### Protein length

1-205a.a.

#### Storage

The protein is stored in PBS buffer at -20. Avoid repeated freezing and thawing cycles.

#### Storage Buffer

1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### 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

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**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; 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;

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