

Recombinant Human ERCC6

Cat. No. ERCC6-26417TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CSB with a N terminal proprietary tag: predicted molecular weight 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a DNA-binding protein that is important in transcription-coupled excision repair. The protein has ATP-stimulated ATPase activity; there are contradictory publications reporting presence or absence of helicase activity. The protein appears to interact with several transcription and excision repair proteins, and may promote complex formation at repair sites. Mutations in this gene result in Cockayne syndrome type B.
Molecular Weight	36.630kDa 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

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cycles.

Sequences of amino acids RARNHLILPERLESESGHLQEASALLPTTEHDDLLEMRNFIAFQAHTDGGQASTREIL
QEFESKLSASQSCVFRELLRNLCCTFHRTSGGEGIWKLKPEYC

Sequence Similarities Belongs to the SNF2/RAD54 helicase family.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.

GENE INFORMATION

Gene Name ERCC6 excision repair cross-complementing rodent repair deficiency, complementation group 6 [Homo sapiens]

Official Symbol ERCC6

Synonyms ERCC6; excision repair cross-complementing rodent repair deficiency, complementation group 6; CKN2; DNA excision repair protein ERCC-6; Cockayne syndrome B protein; CSB; RAD26;

Gene ID 2074

mRNA Refseq NM_000124

Protein Refseq NP_000115

MIM 609413

Uniprot ID Q03468

Chromosome Location 10q11

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Pathway	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;
Function	ATP binding; DNA binding; NOT DNA helicase activity; DNA-dependent ATPase activity; chromatin binding;

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