

Recombinant Human ERCC3 protein, His & T7-tagged

Cat. No. ERCC3-1692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERCC3 aa. (Arg542~Ala702 (Accession # P19447)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg542~Ala702
Description	This gene encodes an ATP-dependent DNA helicase that functions in nucleotide excision repair. The encoded protein is a subunit of basal transcription factor 2 (TFIIH) and, therefore, also functions in class II transcription. Mutations in this gene are associated with Xeroderma pigmentosum B, Cockayne's syndrome, and trichothiodystrophy. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	9.5

GENE INFORMATION

Gene Name	ERCC3 ERCC excision repair 3, TFIIH core complex helicase subunit [Homo sapiens (human)]
Official Symbol	ERCC3
Synonyms	ERCC3; ERCC excision repair 3, TFIIH core complex helicase subunit; XPB; BTF2; TTD2; GTF2H; RAD25; TFIIH; TFIIH basal transcription factor complex helicase XPB subunit; BTF2 p89; DNA excision repair protein ERCC-3; DNA repair helicase; DNA repair protein complementing XP-B cells; TFIIH 89 kDa subunit; TFIIH basal transcription factor complex 89 kDa subunit; TFIIH p89; basic transcription factor 2 89 kDa subunit; excision repair cross-complementation group 3; excision repair cross-complementing rodent repair deficiency, complementation group 3; xeroderma pigmentosum group B-complementing protein; xeroderma pigmentosum, complementation group B

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Gene ID	2071
mRNA Refseq	NM_000122.1
Protein Refseq	NP_000113.1
UniProt ID	P19447
SDS-PAGE	