Active Recombinant Human ERCC3, His-tagged

Cat. No. ERCC3-2671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERCC3 with a His tag is expressed in*E. coli.*MW: 95±5 KDa.
Species	Human
Source	E.coli
Description	ERCC3 is an ATP-dependent DNA helicase that functions in nucleotide excision repair and complements xeroderma pigmentosum group B mutations. It also is the 89 kDa subunit of basal transcription factor 2 (TFIIH) and thus functions in class II transcription.
Formulation	20% Glycerol solution at 0.20 mg/ml.
Activity	ERCC-3 has a 3 prime to 5 prime directed DNA helicase activity.
Storage	Store at -80°C. At least 1 year at -80°C.

GENE INFORMATION

Gene Name	ERCC3 excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing) [Homo sapiens]
Synonyms	ERCC3; excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing); BTF2 p89; DNA excision repair protein ERCC-3; DNA repair protein complementing XP-B

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	cells; TFIIH 89 kDa subunit; TFIIH basal transcription factor complex 89 kDa subunit; TFIIH basal transcription factor complex helicase XPB subunit; TFIIH p89; basic transcription factor 2 89 kDa subunit; xeroderma pigmentosum group B-complementing protein; xeroderma pigmentosum, complementation group B; XPB; BTF2; GTF2H; RAD25; TFIIH; EC 3.6.1.-
Gene ID	2071
mRNA Refseq	NM_000122
Protein Refseq	NP_000113
MIM	133510
UniProt ID	P19447
Chromosome Location	2q21
Pathway	Nucleotide excision repair; DNA Repair; Gene Expression; Transcription; mRNA Processing
Function	3"-5" DNA helicase activity; ATP-dependent DNA helicase activity; ATPase activity; DNA-dependent ATPase activity; DNA-dependent ATPase activity; contributes_to RNA polymerase II carboxy-terminal domain kinase activity; damaged DNA binding; protein C-terminus binding; contributes_to protein kinase activity; transcription factor binding

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