

Recombinant Full Length Human ERCC3 Protein

Cat. No. ERCC3-158HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human XPB with a N terminal proprietary tag; predicted MW: 112.09 kDa inclusive of tag. P19447,
Species	Human
Source	In Vitro Cell Free System
ProteinLength	782 amino acids
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.
Form	Liquid
Molecular Mass	112.090kDa inclusive of tags
AA Sequence	MGKRDRADRDKKKSRKRHYEDEDDEEDAPGNPQEAVPS AAGKQVDESGTKVD EYGAKDYRLQMPLKDDHTSRPLWVAP DGHIFLEAFSPVYKYAQDFLVAIAEPCRP THVHEYKLTA YSLYAAVSVGLQTS DITEYLRKLSKTGVPDGIMQFIKLCT VSYGKVK LVLKHNRYFVESCHPDVIQHLLQDPVIRECRLR NSEGEATELITETFTSKSAISKTAE SSGGPSTSRVTDPPQG KSDIPMDLDFDFYEQMDKDEEEEEETQTVSFEVKQEMIEEL QKRCIHLEYPLLAEYDFRNDVNP DINIDLKPTAVLRPYQ EKSLRKMFGNGRARGSV IVLPCGAGKSLVGVTAACTVRKR CLVLGNSAVSVEQWKAQFKMWSTIDDSQICRFT

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SDAKDKP IGCSVAISTYSMLGHTTKRSWEAERVMEWLKTQEWGLMIL DEVHTIPAK
 MFRRVLTIVQAHCKLGLTATLVREDDKIVDL NFLIGPKLYEANWMELOQNGYIAKVQ
 CAEVWCPMSPEFYR EYVAIKTKKRILLYTMNPNKFRACQFLIKFHERRNDKIIV FAD
 NVFALKEYAIRLNKPYIYGPTSQGERMQILQNFKHNP KINTIFISKVGDTSFDLPEANV
 LIQISSHGGSRREQAQL GRVLRAKKGMVAEEYNAFFYSLVSQDTQEMAYSTKRQ
 RFL VDQGYSFKIVITKLAGMEEEDLAFSTKEEQQLLQKVLAAAT DLDAEEEVVAGEF
 GSRSSQASRRFGTMSSMSGADDTVYME YHSSRSKAPSKHVHPLFKRFRK

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [ERCC3 excision repair cross-complementing rodent repair deficiency, complementation group 3 \(xeroderma pigmentosum group B complementing\) \[Homo sapiens \]](#)

Official Symbol [ERCC3](#)

Synonyms ERCC3; excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing); TFIIH basal transcription factor complex helicase XPB subunit; BTF2; GTF2H; RAD25; TFIIH; XPB

Gene ID [2071](#)

mRNA Refseq [NM_000122](#)

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Protein Refseq NP_000113

MIM 133510

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