

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	MGKRDRADRDKKKSRKRHYEEDDEEDAPGNDPQEAVPS AAGKQVDESGTKVD EYGAKDYRLQMPKDDHTSRPLWVAP DGHIFLEAFSPVYKYAQDFLVAIAEPVCRP THVHEYKLTA YSLYAAVSVGLQTS DITEYLRKLSKTGVPDGMQFIKLCT VSYGKVK LVLKHNRYFVESCHPDVIQHLLQDPVIRECRLR NSEGEATELITETFTSKSAISKTA SSGGPSTSRVTDPPQG KSDIPMDLDFDYEQMDKDEEEEEETQTVSFEVKQEMIEEL QKRCIHLEYPLLA EYDFRND SVNPDINIDLKPTAVLRPYQ EKSLRKMFGNGRARGSV IVLPCGAGKSLVGVTAACTVRKR CLVLGNSAVSVEQWKAQFKMWSTIDDSQICRFT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDAKDKP IGCSVAISTYSMLGHTTKRSWEAERVMEWLKTQEWGLMIL DEVHTIPAK
 MFRRVLTIVQAHCKLGLTATLVREDDKIVDL NFLIGPKLYEANWMELQNNGYIAKVQ
 CAEVWCPMSPEFYR EYVAIKTKKRILLYTMNPNKFRACQFLIKFHERRNDKIIV FAD
 NVFALKEYAIRLNKPYIYGPTSQGERMQILQNFKHNP KINTIFISKVGDTSFDLPEANV
 LIQISSHGGSSRRQEAQRL GRVLRAKKGMVAEEYNAFFYSLVSQDTQEMAYSTKRQ
 RFL VDQGYSFKVITKLAGMEEEDLAFSTKEEQQQLQKVLAAAT 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
UniProt ID	P19447

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