



# Recombinant Rat TFIIH basal transcription factor complex helicase XPB subunit (Ercc3)

<b>Product Code</b>	CSB-EP674573RA-B
<b>Abbreviation</b>	Ercc3
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q4G005
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGKRDRVDRD KKKSKKRQYE EEEEEDEDDAP GNESQEAVPS AAGKQVDESS TKVDEYGAKD YRQQMPLKGD HTSRPLWVAP DGHIFLEAFS PVYKYAQDFL VAIAEPVCRP THVHEYKLTA YSLYAAVSVG LQTSDITEYL RKLSKTGVPD GIIQFIKLCT VSYGKVKLVL KHNRYFVESS HPDVIQHLLQ DPVIRECRLR NAEGEATELI TETFTSKSAI SKTVEGSSGA STSQGVDAQA KSDIPKDLFD FYEQMDKDEE EEEETQTVSF EVKQEMIEEL QKRCICLEYP LLAEYDFRND SLNPDINIDL KPTAVLRPYQ EKSLRKMFGN GRARSGVIVL PCGAGKSLVG VTAACTVRKR CLVLGNSAVS VEQWKAQFKM WSTIDDSQIC RFTSDAKDKP IGCSIAISTY SMLGHTTKRS WEAERVMEWL KTQEWGLMIL DEVHTIPAKM FRRVLTIVQA HCKLGLTATL VREDDKIVDL NFLIGPKLYE ANWMELQNG YIAKVQCAEV WCPMSPEFYR EYVAIKTKKR ILLYTMNPNK FRACQFLIKF HERRNDKIIV FADNVFALKE YAIRLNKPYI YGPTSQGERM QILQNFKHNP KINTIFISKV GDTSFDLPEA NVLIQISSHG GSRRQEAQRL GRVLRAKKGM VAAEYNAFFY SLVSQDTQEM AYSTKRQRFL VDQGYSEFKVI TKLAGMEEEE LAFSTKEEQQ QLLQKVLAAT DLDAEEEVVA GEFGSRSGQA SRRFGTMSSL SGADDTVYME YHSSRNKAST KHVHPLFKRF RK
<b>Source</b>	E.coli
<b>Target Names</b>	Ercc3
<b>Protein Names</b>	Recommended name: TFIIH basal transcription factor complex helicase XPB subunit EC= 3.6.4.12 Alternative name(s): DNA excision repair protein ERCC-3
<b>Expression Region</b>	1-782
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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