



# Recombinant Human General transcription and DNA repair factor IIH helicase subunit XPB (ERCC3)

<b>Product Code</b>	CSB-MP007771HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P19447
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MGKRDRADRD KKKSRKRHYE DEEDDEEDAP GNDPQEAVPS  AAGKQVDESG TKVDEYGAKD YRLQMPLKDD HTSRPLWVAP DGHIFLEAFS  PVYKYAQDFL VAIAEPVCRP THVHEYKLTA YSLYAAVSVG LQTSDDITEYL  RKLSKTGVPD GIMQFIKLT VSYGKVKLVL KHNRYFVESC HPDVIQHLLQ  DPVIRECRLR NSEGEATELI TETFTSKSAI SKTAESSGGP STSRVTDPQG  KSDIPMDLFD FYEQMDKDEE EEEETQTVSF EVKQEMIEEL QKRCIHLEYP  LLAEYDFRND SVNPDINIDL KPTAVLRPYQ EKSLRKMFGN GRARSGVIVL  PCGAGKSLVG VTAACTVRKR CLVLGNSAVS VEQWKAQFKM WSTIDDSQIC  RFTSDAKDKP IGCSVAISTY SMLGHHTKRS WEAERVMEWL KTQEWGLMIL  DEVHTIPAKM FRRVLTIVQA HCKLGLTATL VREDDKIVDL NFLIGPKLYE  ANWMELQNG YIAKVQCAEV WCPMSPEFYR EYVAIKTKKR ILLYTMNPNK  FRACQFLIKF HERRNDKIIV FADNVFALKE YAIRLNKPYI YGPTSQGERM  QILQNFKHNP KINTIFISKV GDTSFDLPEA NVLIQISSHG GSRRQEAQRL  GRVLRACKGM VAEEYNAFFY SLVSQDTQEM AYSTKRQRFL VDQGYSEFKVI  TKLAGMEEED LAFSTKEEQQ QLLQKVLAAAT DLDAEEEVVA GEFGRSSQA  SRRFGTMSSM SGADDTVYME YHSSRSKAPS KHVHPLFKRF RK</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ERCC3
<b>Protein Names</b>	Recommended name: TFIIH basal transcription factor complex helicase XPB subunit EC= 3.6.4.12Alternative name(s): Basic transcription factor 2 89 kDa subunit Short name= BTF2 p89 DNA excision repair protein ERCC-3 DNA repair
<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**

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.