



# Recombinant Human TFIIH basal transcription factor complex helicase XPD subunit (ERCC2)

<b>Product Code</b>	CSB-EP007770HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P18074
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MKLNVDGLLV YFPYDIYPE QFSYMRELKR TLDKGGHGV LEMPSGTGKT V            SLLALIMAYQ RAYPLEVTKL IYCSRTVPEI EKVIEELRKL LNFYEKQEGE            KLPFLGLALS SRKNLCIHPE VTPLRFGKDV DGKCHSLTAS YVRAQYQHDT            SLPHCRFYEE FDAHGREVPL PAGIYNLDDL KALGRRQGWC PYFLARYSIL            HANVVVYSYH YLLDPKIADL VSKELARKAV VVFDEAHNID NVCIDSMSVN            LTRRTLDRQC GNLETLQKTV LRIKETDEQR LRDEYRRLVE GLREASAARE            TDAHLANPVL PDEVLQEAVP GSIRTAEHFL GFLRRLLEYV KWRLRVQHVV            QESPPAFLSG LAQRVCIQRK PLRFCAERLR SLLHTLEITD LADFSPLTLL            ANFATLVSTY AKGFTIIIIEP FDDRTPTIAN PILHFSCMDA SLAIKPVFER            FQSVIITSGT LSPLDIYPKI LDFHPVTMAT FTMTLARVCL CPMIIGRGND            QVAISSKFET REDIAVIRNY GNLLLEMSAV VPDGIVAFFT SYQYMESTVA            SWYEQGILEN IQRNKLLFIE TQDGAETSVA LEKYQEACEN GRGAILLSVA            RGKVSEGIDF VHHYGRAVIM FGVPPYVTQS RILKARLEYL RDQFQIREND            FLTFDAMRHA AQCVGRAIRG KTDYGLMVFA DKRFARGDKR GKLPRWIQEH            LTDANLNLTV DEGVQVAKYF LRQMAQPFHR EDQLGLSLLS LEQLESEETL            KRIEQIAQQL</p>
<b>Source</b>	E.coli
<b>Target Names</b>	ERCC2
<b>Protein Names</b>	Recommended name: TFIIH basal transcription factor complex helicase XPD subunit EC= 3.6.4.12 Alternative name(s): Basic transcription factor 2 80 kDa subunit Short name= BTF2 p80 CXPB DNA excision repair protein ERCC-2 DN
<b>Expression Region</b>	1-760
<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>	The nucleotide excision repair pathway is a mechanism to repair damage to DNA. This protein is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum



complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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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.