



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

Product Code	CSB-MP007770HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18074
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MKLNVDGLLV YFPYDYIYPE QFSYMRELKR TLDAGHGV L EMPSGTGKTV SLLALIMAYQ RAYPLEVTKL IYCSRTVPEI EKVIEELRKL LNFYEKQEGE KLPFLGLALS SRKNLCIHPE VTPLRFGKDV DGKCHSLTAS YVRAQYQHDT SLPHCRFYEE FDAHGREVPL PAGIYNLDDL KALGRRQGWC PYFLARYSIL HANVVVYSYH YLLDPKIADL VSKELARKAV VVFDEAHNID NVCIDSMSVN LTRRTLDRQC GNLETLQKT V LRIKETDEQR LRDEYRRLVE GLREASAARE TDAHLANPVL PDEVLQEAVP GSIRTAEHFL GFLRRLLEYV KWRLRVQHVV QESPPAFLSG LAQRVCIQRK PLRFCAERLR SLLHTLEITD LADFSP L TLL ANFATLVSTY AKGFTIII EP FDDRTPTIAN PILHFSCMDA SLAIKPVFER FQSVIITSGT LSPLDIYPKI LDFHPVTMAT FTMTLARVCL CPMIIGRGND QVAISSKFET REDIAVIRNY GNLLLEMSAV VPDGIVAFFT SYQYMESTVA SWYEQGILEN IQRNKLLFIE TQDGAETSVA LEKYQEACEN GRGAILLSVA RGKVSEGIDF VHHYGRAVIM FGVPHYVTQS RILKARLEYL RDQFQIREND FLTFDAMRHA AQCVGRAIRG KTDYGLMVFA DKRFARGDKR GKLPRWQIEH LTDANLNLTV DEGVQVAKYF LRQMAQPFHR EDQLGLSLLS LEQLESEETL KRIEQIAQQL
Source	Mammalian cell
Target Names	ERCC2
Protein Names	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
Expression Region	1-760
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

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.

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.