



Recombinant Human ERCC3 Protein Product Manual

1. Product Basic Information

Product No.: REP06793

Protein Name: TfiIH Subunit Xpb (ERCC3)

Aliases: XPB; BTF2; Ssl2; TTD2; GTF2H; RAD25; TFIIH; TFIIH subunit XPB; DNA repair helicase; TFIIH 89 kDa subunit; DNA 3'-5' helicase/translocase XPB; basic transcription factor 2 89 kDa subunit

UniProt ID: P19447

UniProt Link: <https://www.uniprot.org/uniprotkb/P19447/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-782aa)

Molecular Weight: 115.6 kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-782aa)

MGKRDRADRDKKKSRKRHYEEDDEEDAPGNDPQEAVPSAAGKQVDESGTKVD
EYGAKDYRLQMPLKDDHTSRPLWVAPDGHIFLEAFSPVYKYAQDFLVAIAEPVCRP
THVHEYKLTAYSLYAAVSVGLQTS DITEYLRKLSKTGVDPDGIMQFIKLCTVSYGKVKL
VLKHNRYFVESCHPDVIQHLLQDPVIRECRLRNSEGEATELITETFTSKSAISKTAES
SGGPSTSRVTDPPQGKSDIPMDLDFYEQMDKDEEEEEETQTVSFEVKQEMIEELQK
RCIHLEYPLLA EYDFRND SVNPDINIDLKPTAVLRPYQEKSLRKMFGNGRARS GVIVL
PCGAGKSLVGVTAACTVRKRCLVLGNSAVSVEQWKAQFKMWSTIDDSQICRFTSD
AKDKPIGCSVAISTYSMLGHTTKRSWEAERVM EWLKTQEWGLMILDEVHTIPAKMF
RRVLTIVQAHCKLGLTATLVREDDKIVDLNFLIGPKLYEANWMELQNNGYIAKVQCA
EVWCPMSPEFYREYVAIKTKKRILLYTMNPNKFRACQFLIKFHERRNDKIIVFADNVF
ALKEYAIRLNKPYIYGPTSQGERMQILQNFKHNP KINTIFISKVGDTSF DLPEANVLIQI
SSHGGSRRQEAQRLGRVLR AKKGMVAEEYNAFFYSLVSQDTQEMAYSTKRQRFL
VDQGY SFKVITKL AGMEEEDLAFSTKEEQQLLQKVLAATDLDAEEEVVAGEFGSR
SSQASRRFGTMSMSGADDTVYMEYHSSRSKAPSKHVHPLFKRFRK



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ERCC3 full length protein (1-782aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ERCC3, also known as XPB or BTF2 or Ssl2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.