

Recombinant Full Length Human ERCC3 Protein, GST-tagged

Cat. No. ERCC3-4549HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERCC3 full-length ORF (NP_000113.1, 1 a.a. - 782 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	782 amino acids
Description	This gene encodes an ATP-dependent DNA helicase that functions in nucleotide excision repair. The encoded protein is a subunit of basal transcription factor 2 (TFIIH) and, therefore, also functions in class II transcription. Mutations in this gene are associated with Xeroderma pigmentosum B, Cockayne's syndrome, and trichothiodystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Molecular Mass	115.7 kDa
AA Sequence	MGKRDRADRDKKKSRKRHYEEDDEEDAPGNDPQEAVPSAAGKQVDESGTKVD EYGAKDYRLQMPLKDDHTSRPLWVAPDGHIFLEAFSPVYKYAQDFLVAIAEPVCRPT HVHEYKLTAYSLYAAVSVGLQTS DITEYLRKLSKTGVPD GIMQFIKLCTVSYGKVKLV LKHNRYFVESCHPDV IQHLLQDPVIRECRLRNSEGEATELITETFTSKSAISKTAESSG GPSTSRVTD P QGKSDIPMDLFD FYEQMDKDEEEEEETQTVSFEVKQEMIEELQKRCI HLEYPLLA EYDFRND SVNPDINIDLKPTAVLRPYQE KSLRKMFGNGRARGVIVLPC GAGKSLVGVTAACTVRKRCLVLGNSAVSVEQWKAQFKMWSTIDDSQICRFTSDAKD

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KPIGCSVAISTYSMLGHTTKRSWEAERVMEWLKTQEWGLMILDEVHTIPAKMFRRVL
TIVQAHCKLGLTATLVREDDKIVDLNFLIGPKLYEANWMELQNGYIAKVQCAEVWC
PMSPEFYREYVAIKTKKRILLYTMNPNKFRACQFLIKFHERRNDKIIVFADNVFALKEY
AIRLNKPYIYGPTSQGERMQILQNFKHNPKINTIFISKVGDTSFDLPEANVLIQISSHGG
SRRQEAQRLGRVLRAKKGMVAEEYNAFFYSLVSQDTQEMAYSTKRQRFLVDQGYS
FKVITKLAGMEEEDLAFSTKEEQQLLQKVLAATDLDAEEEVVAGEFGSRSSQASRR
FGTMSSMSGADDTVYMEYHSSRSKAPSKHVHPLFKRFRK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ERCC3 excision repair cross-complementing rodent repair deficiency,
complementation group 3 [Homo sapiens]

Official Symbol

ERCC3

Synonyms

ERCC3; excision repair cross-complementing rodent repair deficiency,
complementation group 3; TFIIH basal transcription factor complex helicase XPB
subunit; BTF2; GTF2H; RAD25; TFIIH; xeroderma pigmentosum group B
complementing; XPB; BTF2 p89; TFIIH p89; TFIIH 89 kDa subunit; DNA excision
repair protein ERCC-3; DNA repair protein complementing XP-B cells; basic

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transcription factor 2 89 kDa subunit; xeroderma pigmentosum, complementation group B; xeroderma pigmentosum group B-complementing protein; TFIIH basal transcription factor complex 89 kDa subunit;

Gene ID [2071](#)

mRNA Refseq [NM_000122](#)

Protein Refseq [NP_000113](#)

MIM [133510](#)

UniProt ID [P19447](#)

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