

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
Protein Length	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	MGKRDRADRDKKKSRKRHYEDEEDDEEDAPGNDPQEAVPSAAGKQVDESGTKVD EYGAKDYRLQMPLKDDHTSRPLWVAPDGHIFLEAFSPVYKYAQDFLVAIAEPVCRPT HVHEYKLTAYSLYAAVSVGLQTSDITEYLRKLSKTGVPDGMQFIKLCTVSYGKVKLV LKHNRYFVESCHPDVIQHLLQDPVIRECRLRNSEGEATELITETFTSKSAISKTAESSG GPSTSRVTDPPQKSDIPMDLDFDYEQMDKDEEEEEETQTVSFEVKQEMIEELQKRCI HLEYPLLAEYDFRNDVNPDINIDLKPTAVLRPYQEKSLRKMFGNGRARGVIVLPC GAGKSLVGVTAACTVRKRCVLGNSAVSVEQWKAQFKMWSTIDDSQICRFTSDAKD

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KPIGCSVAISTYSMLGHTTKRSWEAERVMEWLKTQEWGLMILDEVHTIPAKMFRRVL
 TIVQAHCKLGLTATLVREDDKIVDLNFLIGPKLYEANWMELQNGYIAKVQCAEVWC
 PMSPEFYREYVAIKTKKRILLYTMNPNKFRACQFLIKFHERRNDKIIVFADNVFALKEY
 AIRLNKPYIYGPTSQGERMQILQNFKHNPKINTIFISKVGDTSFDLPEANVLIQISSHGG
 SRRQEAQRLGRVLRAKKGMVAEEYNAFFYSLVSQDTQEMAYSTKRQRFLVDQGY
 FKVITKLAGMEEEDLAFSTKEEQQLLQKVLAAATDLDAEEEVVAGEFGSRSSQASRR
 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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