

Recombinant Full Length Human ERCC2 Protein, GST-tagged

Cat. No. ERCC2-4548HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ERCC2 full-length ORF (AAH08346, 1 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	405 amino acids
Description	<p>The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene 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. [provided by RefSeq, Aug 2008]</p>
Molecular Mass	70.29 kDa
AA Sequence	<p>MRELKRTLDAKGHGVLEMPSGTGKTVSLLALIMAYQRAYPLEVTKLIYCSRTVPEIEK VIEELRKLLNFYEKQEGEKLPFLGLALSSRNLCIHPEVTPLRFGKDVDGKCHSLTAS YVRAQYQHDTSLPHCRFYEEFDAHGREVPLPAGIYNLDDLKALGRRQGWCPYFLAR YSILHANVVVYSYHYLLDPKIADLVSKELARKAVVVVFDEAHNIDNVCIDSMSVNLTRRT</p>

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LDRCQGNLETLQKTVLRIKETDEQRLRDEYRRLVEGLREASAARETDAHLANPVLDP
 EVLQEAVPGSIRTAEHFLGFLRRLLEYVKWRLRVQHVQESPPAFLSGLAQRVCIQR
 KPLRFCAERLRSLHTLEITDLADFSPLTLLANFATLVSTYAKGQAQHCSSRNQKRS
 HP

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	ERCC2 excision repair cross-complementing rodent repair deficiency, complementation group 2 [Homo sapiens]
Official Symbol	ERCC2
Synonyms	ERCC2; excision repair cross-complementing rodent repair deficiency, complementation group 2; xeroderma pigmentosum complementary group D , XPD; TFIIH basal transcription factor complex helicase XPD subunit; EM9; excision repair cross complementing rodent repair deficiency; complementation group 2 protein; MAG; MGC102762; MGC126218; MGC126219; CXPB; BTF2 p80; TFIIH p80; TFIIH 80 kDa subunit; DNA excision repair protein ERCC-2; DNA repair protein complementing XP-D cells; basic transcription factor 2 80 kDa subunit; xeroderma pigmentosum complementary group D; xeroderma pigmentosum group D-



complementing protein; TFIIH basal transcription factor complex 80 kDa subunit;
TFIIH basal transcription factor complex helicase subunit; TTD; XPD; COFS2;

Gene ID 2068

mRNA Refseq NM_000400

Protein Refseq NP_000391

MIM 126340

UniProt ID P18074

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