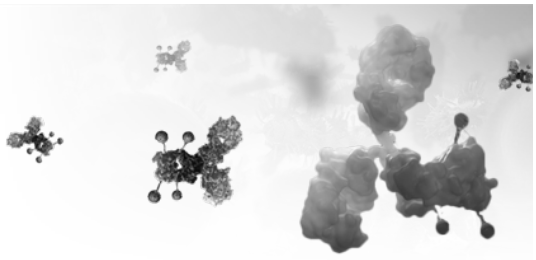

Human ERCC3 peptide (DAG-P2048)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	ERCC3 is an ATP-dependent DNA helicase that functions in nucleotide excision repair and complements xeroderma pigmentosum group B mutations. It also is the 89 kDa subunit of basal transcription factor 2 (TFIIH) and thus functions in class II transcription. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the helicase family. RAD25/XPB subfamily.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ERCC3 excision repair cross-complementation group 3 [Homo sapiens (human)]
Official Symbol	ERCC3
Synonyms	ERCC3; excision repair cross-complementation group 3; XPB; BTF2; GTF2H; RAD25; TFIIH; TFIIH basal transcription factor complex helicase XPB subunit; BTF2 p89; TFIIH p89; TFIIH 89 kDa subunit; DNA excision repair protein ERCC-3; DNA repair protein complementing XP-B cells; basic 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; excision repair cross-complementing rodent repair deficiency, complementation group 3;

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Entrez Gene ID	2071
mRNA Refseq	NM_000122.1
Protein Refseq	NP_000113.1
UniProt ID	P19447
Chromosome Location	2q21
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; DNA Repair, organism-specific biosystem; Disease, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Formation of HIV elongation complex in the absence of HIV Tat, organism-specific biosystem; Formation of HIV-1 elongation
Function	3-5 DNA helicase activity; 3-5 DNA helicase activity; ATP binding; ATP-dependent DNA helicase activity; ATPase activity; DNA binding; contributes_to DNA-dependent ATPase activity; contributes_to DNA-dependent ATPase activity; GTP binding; contributes_to R

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