Recombinant Human XRCC3, T7 -tagged

Cat. No. XRCC3-30133TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein: Human XRCC3 protein fused to T7-tag.
Species	Human
Source	E.coli
Description	This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding the same protein have been identified.
Conjugation	T7
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium AzideConstituents: 10mM Tris, 10mM DTT, 0.1% Triton X-100, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the RecA family. RAD51 subfamily.
Full Length	Full L.

GENE INFORMATION

Gene Name	XRCC3 X-ray repair complementing defective repair in Chinese hamster cells 3 [Homo sapiens]
Official Symbol	XRCC3
Synonyms	XRCC3; X-ray repair complementing defective repair in Chinese hamster cells 3; DNA repair protein XRCC3; RAD51 like;
Gene ID	7517
mRNA Refseq	NM_001100118
Protein Refseq	NP_001093588
MIM	600675
Uniprot ID	O43542
Chromosome Location	14q32.3
Pathway	Fluoropyrimidine Activity, organism-specific biosystem; Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem;
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; nucleotide binding;

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