

Recombinant Human XRCC3, T7-tagged

Cat. No. XRCC3-3057H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XRCC3 (1-346 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.
Species	Human
Source	E.coli
Protein Length	1-346 a.a.
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.
MW	37850 Da.
Purity	90%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT.
Application	MS. SDS.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	XRCC3 X-ray repair complementing defective repair in Chinese hamster cells 3 [Homo sapiens]
Synonyms	XRCC3; X-ray repair complementing defective repair in Chinese hamster cells 3; DNA repair protein XRCC3; RAD51-like; X-ray repair cross-complementing protein 3; CMM6
Gene ID	7517
mRNA Refseq	NM_001100118
Protein Refseq	NP_001093588
MIM	600675
UniProt ID	O43542
Chromosome Location	14q32.3
Pathway	Homologous recombination
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; nucleotide binding

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