

## Recombinant Human XRCC3, T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XRCC3 (1-346 aa) is expressed in <i>E. Coli</i> with a T7 tag at N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-346 a.a.
<b>Description</b>	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.
<b>MW</b>	37850 Da.
<b>Purity</b>	90%.
<b>Formulation</b>	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN <sub>3</sub> . 10mM DTT.
<b>Application</b>	MS. SDS.

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Gene Name</b>	<a href="#">XRCC3 X-ray repair complementing defective repair in Chinese hamster cells 3 [ Homo sapiens ]</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">7517</a>
<b>mRNA Refseq</b>	<a href="#">NM_001100118</a>
<b>Protein Refseq</b>	<a href="#">NP_001093588</a>
<b>MIM</b>	<a href="#">600675</a>
<b>UniProt ID</b>	<a href="#">O43542</a>
<b>Chromosome Location</b>	14q32.3
<b>Pathway</b>	Homologous recombination
<b>Function</b>	ATP binding; DNA binding; DNA-dependent ATPase activity; nucleotide binding

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