

## Recombinant Human XRCC3 Protein, His-tagged

Cat. No. XRCC3-629H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XRCC3, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<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. Alternatively spliced transcript variants encoding the same protein have been identified.
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
<b>Molecular Mass</b>	37.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## 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; X-ray repair cross-complementing protein 3; CMM6;

**Gene ID** 7517

**mRNA Refseq** NM\_001100118

**Protein Refseq** NP\_001093588

**MIM** 600675

**UniProt ID** O43542

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