

Recombinant Human XRCC3 Protein, His-tagged

Cat. No. XRCC3-627H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XRCC3, transcript variant 3, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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.</p>
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	37.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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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