

Recombinant Human XRCC3 Protein, His-tagged

Cat. No. XRCC3-598H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XRCC3 Protein (Met1-Phe249) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Phe249
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.2 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	XRCC3 X-ray repair complementing defective repair in Chinese hamster cells 3 [Homo sapiens (human)]
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

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MIM	600675
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UniProt ID	O43542
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