Recombinant Human XRCC1 Protein, MYC/DDK-tagged

Cat. No. XRCC1-1500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human XRCC1 Protein was expressed in human HEK293 cells with C-terminal MYC/DDK-tag.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiogenesis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.
Form	Liquid
Molecular Mass	69.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	XRCC1 X-ray repair complementing defective repair in Chinese hamster cells 1 [Homo sapiens]
Official Symbol	XRCC1
Synonyms	XRCC1; X-ray repair complementing defective repair in Chinese hamster cells 1; RCC; DNA repair protein XRCC1; X-ray repair cross-complementing protein 1; X-ray-repair, complementing defective, repair in Chinese hamster;
Gene ID	7515
mRNA Refseq	NM_006297
Protein Refseq	NP_006288
MIM	194360
UniProt ID	P18887

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