Recombinant Human XRCC5 protein, His-tagged

Cat. No. XRCC5-149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KuP70/P80 Human Recombinant produced in SF9 insect cells is a glycosylated, polypeptide chain having a molecular mass of 70,638 Dalton for the p70 subunit and 83,528 Dalton for the p80 subunit. Ku (P70/P80) is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.
Species	Human
Source	Insect Cells
Form	KuP70/P80is supplied in 16mM HEPES buffer pH-8, 160mM NaCl, and 20% glycerol.
Purity	Greater than 95% as determined by SDS-PAGE.
Applications	Western-Blot with monoclonal anti-hexa-His-tag antibody & anti-Ku autoantibody-positive patient sera.
Storage	Store at 4 centigrade if entire vial will be used within 2-4 weeks.Store, frozen at -20 centigrade for longer periods of time. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	XRCC5 X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining) [Homo sapiens]
Official Symbol	XRCC5

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Synonyms	XRCC5; X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining); X ray repair complementing defective repair in Chinese hamster cells 5 (double strand break rejoining; Ku autoantigen, 80kD); X-ray repair cross-complementing protein 5; KARP 1; Ku autoantigen; 80kDa; KU80; Ku86; KUB2; TLAA; CTC85; CTCBF; nuclear factor IV; Ku autoantigen, 80kDa; DNA repair protein XRCC5; thyroid-lupus autoantigen; 86 kDa subunit of Ku antigen; lupus Ku autoantigen protein p86; Ku86 autoantigen related protein 1; CTC box-binding factor 85 kDa subunit; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit; NFIV; KARP1; KARP-1; FLJ39089;
Gene ID	7520
mRNA Refseq	NM_021141
Protein Refseq	NP_066964
MIM	194364
UniProt ID	P13010
Chromosome Location	2q35
Pathway	2-LTR circle formation, organism-specific biosystem; BARD1 signaling events, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; DNA Repair, organism-specific biosystem; DNA-PK complex, organism-specific biosystem; Disease, organism-specific biosystem; Double-Strand Break Repair, organism-specific biosystem;
Function	contributes_to 5-deoxyribose-5-phosphate lyase activity; ATP binding; ATP-dependent DNA helicase activity; DNA binding; double-stranded DNA binding;

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	contributes_to double-stranded telomeric DNA binding; helicase activity; hydrolase activity, acting on acid anhydrides; nucleotide binding; protein C-terminus binding; protein binding; telomeric DNA binding; transcription regulatory region DNA binding;

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