

## Recombinant Human XRCC5, GST-tagged

Cat. No. XRCC5-3758H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XRCC5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	384-732aa
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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

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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 b

**Function** contributes\_to 5-deoxyribose-5-phosphate lyase activity; ATP binding; ATP-dependent DNA helicase activity; DNA binding; double-stranded DNA binding; contributes\_to double-stranded telomeric DNA binding; helicase activity; hydrolase activity, acting on aci

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