

Recombinant Human XRCC2, His-tagged

Cat. No. XRCC2-5013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human XRCC2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	XRCC2 is a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	34.3 kDa (303aa)
AA Sequence	HHHHH SSGLVPRGSH MGSMCSAFHR AESGTELLAR LEGRSSLKEI EPNLFADSDS PVHGDILEFH GPEGTGKTEM LYHLTARCIL PKSEGGLEVE VLFIDTDYHF DMLRLVTILE HRLSQSSEEI IKYCLGRFFL VYCSSSTHLL LTLYSLESMF CSHPSLCLLI LDSLSAFYWI DRVNGGESVN LQESTLRKCS QCLEKLVNDY RLVLFATTQT IMQKASSSSE EPSHASRRRLC DVDIDYRPYL CKAWQQLVKH RMFFSKQDDS QSSNQFSLVS RCLKSNSLKK HFFIIGESGV EFC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>80% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	XRCC2 X-ray repair complementing defective repair in Chinese hamster cells 2 [Homo sapiens]
Official Symbol	XRCC2
Synonyms	XRCC2; X-ray repair complementing defective repair in Chinese hamster cells 2; DNA repair protein XRCC2; RAD51 like; X-ray repair cross-complementing protein 2; X-ray repair, complementing defective, repair in Chinese hamster; DKFZp781P0919;
Gene ID	7516
mRNA Refseq	NM_005431
Protein Refseq	NP_005422
MIM	600375
UniProt ID	O43543

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Chromosome Location	7q36
Pathway	Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem;
Function	ATP binding; DNA binding; DNA-dependent ATPase activity;

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