

# Product information



## XRCC3, 1-346aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1876

**Full name:** X-ray repair cross complementing protein 3

**NCBI Accession No.:** NP\_005423

**Synonyms:** RAD51-like

**Description:** XRCC3, also known as RAD51-like, belongs to the RecA family and RAD51 subfamily. It participates in homologous recombination to maintain chromosome stability and repair DNA damage. This protein functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. Recombinant human XRCC3 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

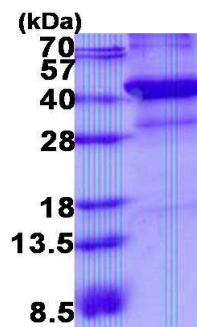
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

0.4M Urea

**Molecular Weight:** 40.0 kDa (366aa)

**Purity:** > 85% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MDLDDLNLN RI IAAIKKAK LKSVKEVLHF SGPDLKRLTN LSSPEVHLL RTASLHLRGS SILTALQLHQ  
QKERFPTQHQ RLSLGCPLVD ALLRGGLPLD GITELAGRSS AGKTQLALQL CLAVQFPRQH GGLEAGAVYI CTEDAFPHKR LQQLMAQQPR  
LRTDVPCELL QKLRFGSQIF IEHVADVDL LECVNKKVPV LLSRGMARLV VIDSVAAPFR CEFDSQASAP RARHLQSLGA TLRELSSAFQ  
SPVLCINQVT EAMEEQGAAH GPLGFWDERV SPALGITWAN QLLVRLADR LREEEAALGC PARTLRVLSA PHLPPSSCSY TISAEGVRGT  
PGTQSH

### General references:

Tebbs RS. *et al.* (1995) *Proc Natl Acad Sci U S A.* 92:6354-6358.

Miller KA. *et al.* (2002) *J Biol Chem.* 277:8406-8411.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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