

**XRCC3, 1-346aa, Human, His tag, E.coli**

**Cat.NO.: TP04515**

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3th Edition

**Synonyms:**X-ray repair cross complementing protein 3, 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)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMDLDDLNPRIIAAIKKAKLKSVEVLHFSGPDLKRLTNLSSPEVWHLRLRTASLHL  
RGSSILTALQLHQKERFPTQHQLSLGCPVLDALLRGGPLDGLTELGRSSAGKTQLALQLCLAVQFPRQHGGGL  
EAGAVYICTEDAFPHKRLQQLMAQQPRLRTDVPGELLQKLRFSGQIFIEHVADVDTLLECVNKKVPVLLSRGMARLV  
VIDSVAAPFRCEFDQSASAPRARHLQSLGATLRELSSAFQSPVLCINQVTEAMEEQGAHGPLGFWDERVSPALGI  
TWANQLLVRLADRLREEEAALGCPARTLRVLSAPHLPPSSCSYTISAEGVRGTPGTQSH

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.