

Product datasheet for AR50700PU-S

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XRCC3 (1-346, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: XRCC3 (1-346, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MDLDLLDLNP RIIAAIKKAK LKSVKEVLHF SGPDLKRLTN LSSPEVWHLL RTASLHLRGS SILTALQLHQ QKERFPTQHQ RLSLGCPVLD ALLRGGLPLD

GITELAGRSS AGKTQLALQL CLAVQFPRQH GGLEAGAVYI CTEDAFPHKR LQQLMAQQPR

LRTDVPGELL QKLRFGSQIF IEHVADVDTL LECVNKKVPV LLSRGMARLV VIDSVAAPFR CEFDSQASAP

RARHLQSLGA TLRELSSAFQ SPVLCINQVT EAMEEQGAAH GPLGFWDERV SPALGITWAN

QLLVRLLADR LREEEAALGC PARTLRVLSA PHLPPSSCSY TISAEGVRGT PGTQSH

Tag: His-tag
Predicted MW: 40.0 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea

Preparation: Liquid purified protein

Protein Description: Recombinant human XRCC3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: <u>NP 001093588</u>

Locus ID: 7517

UniProt ID: <u>043542</u>, <u>Q53XC8</u>

Cytogenetics: 14q32.33 Synonyms: CMM6





Summary: This gene encodes a member of the RecA/Rad51-related protein family that participates in

homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that

exhibits hypersensitivity to a number of different DNA-damaging agents and is

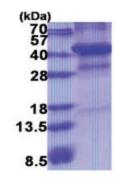
chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. Alternatively spliced transcript variants encoding

the same protein have been identified. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

Product images:



15% SDS-PAGE (3ug)