

Product datasheet for **AR50700PU-S**

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 MDLDDLNP RIIAAIKKAK LKSVKEVLHF SGPDLKRLTN LSSPEVWHLR RTASLHLRGS SILTALQLHQ QKERFPTQHQ RLSLGCPVLD ALLRGGPLD GITELAGRSS AGKTQLALQL CLAVQFPRQH GGLEAGAVYI CTEDAFPHKR LQQLMAQQPR LRTDVPGELL QKLRFGSQIF IEHVADVDTL LECVNKKVPV LLSRGMARLV VIDSVAAPFR CEFDSQASAP RARHLQSLGA TLRELSSAFQ SPVLCINQVT EAMEEQGAAH GPLGFWDERV SPALGITWAN QLLVRLADR 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:	NP_001093588
Locus ID:	7517
UniProt ID:	O43542 , Q53XC8
Cytogenetics:	14q32.33
Synonyms:	CMM6



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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: