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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RAD17 (Human) Recombinant Protein (P01)

Catalog Number: H00005884-P01

Regulation Status: For research use only (RUO)

Product Description: Human RAD17 full-length ORF (NP_579919.1, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNQHELAVHKKKIEEVETWLKAQVLERQPKQGGSSILLI
TGPPGCGKTTTLKILSKEHGIQVQEWINPVLPDFQKDD
FKGMFNTESSEFHMFPYQSQIAVFKEFLLRATKYNKLQ
MLGDDLRTDKKIILVEDLPNQFYRDSHTLHEVLRKYVRI
GRCPLIFIISDLSGDNNQRLLFPKEIQEECSISNISFN
VAPTIMMKFLNRIVTIEANKNGGKITVDPKTSLELLCQG
CSGDIRSAINSLQFSSSKGENNLRPRKKGMSLKSDAVL
SKSKRRKKPDRVFENQEVQAIGGKDVSLFLFRALGKIL
YCKRASLTELDSPRLPSHLSEYERDTLLVEPEEVVEMS
HMPGDLFNLYLHQNYIDFFMEIDDIVRASEFLSFADILS
GDWNTSLLREYSTSIATRGMHNSNKARGYAHCQGG
GSSFRPLHKPQWFLINKKYRENCLAALKALFPDFCLPAL
CLQTQLLPYLALLTIPMRNQAQISFIQDIGRLPLKRHFG
RLKMEALTDREHGMIDPDSGDEAQLNGGHSAAEESLG
EPTQATVPETWSLPLSQNSASELPASQPQPFSAQGD
MEENIIIEDYESDGT

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 92.6

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5884

Gene Symbol: RAD17

Gene Alias: CCYC, FLJ41520, HRAD17, R24L, RAD17SP, RAD24

Gene Summary: The protein encoded by this gene is highly similar to the gene product of *Schizosaccharomyces pombe rad17*, a cell cycle checkpoint gene required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein shares strong similarity with DNA replication factor C (RFC), and can form a complex with RFCs. This protein binds to chromatin prior to DNA damage and is phosphorylated by the checkpoint kinase ATR following damage. This protein recruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chromatin after DNA damage, which may be required for its phosphorylation. The phosphorylation of this protein is required for the DNA-damage-induced cell cycle G2 arrest, and is thought to be a critical early event during checkpoint signaling in DNA-damaged cells. Eight alternatively spliced transcript variants of this gene, which encode four distinct proteins, have been reported. Two pseudogenes, located on chromosomes 7 and 13, have been identified. [provided by RefSeq]