

Recombinant Human RAD9 Homolog A (S. Pombe)

Cat. No. RAD9A-2385H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD9 Homolog A (S. Pombe) is Expressed in <i>baculovirus</i> . MW=106kDa.
Species	Human
Source	Insect Cells
Description	This gene product is highly similar to <i>Schizosaccharomyces pombe rad9</i> , a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein is found to possess 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Use of alternative polyA sites has been noted for this gene.
Purity	≥90% (by SDS-PAGE).
Concentration	1mg/ml.
Formulation	Liquid. In 25mM Tris, pH 8.0, Containing 20% glycerol, 100mM sodium chloride and 1mM β-mercaptoethanol.
Storage	-80°C. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.

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GENE INFORMATION

Gene Name	RAD9A RAD9 homolog A (S. pombe) [Homo sapiens]
Synonyms	RAD9A; RAD9 homolog A (S. pombe);RAD9; cell cycle checkpoint control protein RAD9A; DNA repair exonuclease rad9 homolog A; hRAD9; EC 3.1.11.2
Gene ID	5883
mRNA Refseq	NM_004584
Protein Refseq	NP_004575
MIM	603761
UniProt ID	Q99638
Chromosome Location	11q13.1-q13.2
Pathway	Cell Cycle Checkpoints
Function	3'-5' exonuclease activity; SH3 domain binding; exodeoxyribonuclease III activity; histone deacetylase binding; protein binding; protein kinase binding

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