

## RAD17 抗原（重组蛋白）

中文名称： RAD17 抗原（重组蛋白）

英文名称： RAD17 Antigen (Recombinant Protein)

别名： RAD17 checkpoint clamp loader component; CCYC; R24L; RAD24; HRAD17; RAD17SP

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to C terminal 250 amino acids of human RAD17

### 技术规格

<b>Full name:</b>	RAD17 checkpoint clamp loader component
<b>Synonyms:</b>	CCYC; R24L; RAD24; HRAD17; RAD17SP
<b>Swissprot:</b>	O75943
<b>Gene Accession:</b>	BC032304
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	The protein encoded by this gene is highly similar to the gene product of <i>Schizosaccharomyces pombe</i> 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 phosphoryl

ated by the checkpoint kinase ATR following damage. This protein r  
eruits the RAD1-RAD9-HUS1 checkpoint protein complex onto chro  
matin after DNA damage, which may be required for its phosphoryl  
ation. The phosphorylation of this protein is required for the DNA-d  
amage-induced cell cycle G2 arrest, and is thought to be a critical  
early event during checkpoint signaling in DNA-damaged cells. Mult  
iple alternatively spliced transcript variants of this gene, which enco  
de four distinct protein isoforms, have been reported. Two pseudog  
enes, located on chromosomes 7 and 13, have been identified.