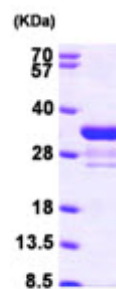


AR09582PU-L

Human RAD1 (1-282, His-tag) - Purified

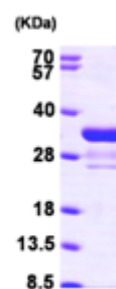
Alternate names:	Cell cycle checkpoint protein RAD1, DNA repair exonuclease rad1 homolog, REC1, Rad1-like DNA damage checkpoint protein
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	RAD1 is a component of a heterotrimeric cell cycle checkpoint complex, known as the 9-1-1 complex, that is activated to stop cell cycle progression in response to DNA damage or incomplete DNA replication. This complex also contains the Rad9 and Hus1 proteins and is believed to be involved in cellular responses to DNA damage, possibly by associating with Rad17 and several components of the PCNA-loading heteropentamer, replication factor C
Uniprot ID:	O60671
NCBI:	NP_002844
GeneID:	5810
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 1 mM DTT, 10% glycerol
Description:	Recombinant human RAD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MPLLTQQIQD EDDQYSLVAS LDNVRNLSTI LKAIHFREHA TCFATKNGIK VTVENAKCVQ ANAFIQAGIF QEFKVQEEVS TFRINLTVLL DCLSIIFGSSP MPGTLTALRM CYQGYGYPLM LFLEEGGVVT VCKINTQEPE ETLDFFDCST NVINKIILQS EGLREAFSEL DMTSEVLQIT MSPDKPYFRL STFGNAGSSH LDYPKDSLM EAFHCNQTV NRYKISLLKP STKALVLSCK VSIRTDNRGF LSLQYMIRNE DGQICFVEYY CCPDEEVPEES ES Molecular weight: 33.9 kDa (302aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Liu Y., et al. (2010) J Biol Chem. 285(8):5974-82. Yazinski SA., et al. (2009) Proc Natl Acad Sci U S A. 106(50):21282-7.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human RAD1, 1-282 aa, His-tagged



15% SDS-PAGE (3ug)