Recombinant Human RAD1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. RAD1-331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAD1 MS Standard C13 and N15-labeled recombinant protein (NP_002844) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes 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. The 9-1-1 complex is recruited by RAD17 to affected sites where it may attract specialized DNA polymerases and other DNA repair effectors. Alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Jan 2009]
Molecular Mass	31.8 kDa
AA Sequence	MPLLTQQIQDEDDQYSLVASLDNVRNLSTILKAIHFREHATCFATKNGIKVTVENAKC VQANAFIQAGIFQEFKVQEESVTFRINLTVLLDCLSIFGSSPMPGTLTALRMCYQGYG YPLMLFLEEGGVVTVCKINTQEPEETLDFDFCSTNVINKIILQSEGLREAFSELDMTSE VLQITMSPDKPYFRLSTFGNAGSSHLDYPKDSDLMEAFHCNQTQVNRYKISLLKPST KALVLSCKVSIRTDNRGFLSLQYMIRNEDGQICFVEYYCCPDEEVPESESTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

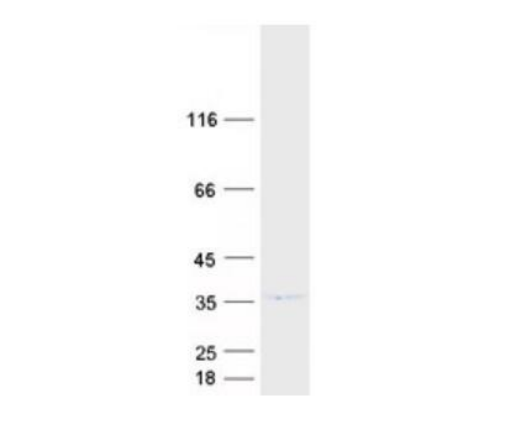
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RAD1 RAD1 homolog (S. pombe) [Homo sapiens (human)]
Official Symbol	RAD1
Synonyms	RAD1; RAD1 homolog (S. pombe); RAD1 (S. pombe) homolog; cell cycle checkpoint protein RAD1; cell cycle checkpoint protein Hrad1; checkpoint control protein HRAD1; DNA repair exonuclease REC1; exonuclease homolog RAD1; HRAD1; Rad1 like DNA damage checkpoint; REC1; DNA repair exonuclease rad1 homolog; rad1-like DNA damage checkpoint protein;
Gene ID	5810
mRNA Refseq	NM_002853
Protein Refseq	NP_002844
MIM	603153
UniProt ID	O60671

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SDS-PAGE	

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