

Product datasheet for **RC201576L2V**

RAD1 (NM_133377) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RAD1 (NM_133377) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAD1
Synonyms:	cell cycle checkpoint protein Hrad1; checkpoint control protein HRAD1; DNA repair exonuclease REC1; exonuclease homolog RAD1; HRAD1; OTTHUMP00000115992; RAD1 homolog; RAD1 homolog (<i>S. pombe</i>); Rad1-like DNA damage checkpoint; REC1; REC1, HRAD1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_133377
ORF Size:	846 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201576).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_133377.2 , NP_596868.1
RefSeq Size:	4765 bp
RefSeq ORF:	848 bp
Locus ID:	5810
Cytogenetics:	5p13.2
Domains:	Rad1
Protein Families:	Druggable Genome



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MW: 31.8 kDa

Gene Summary: 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]