

## Product datasheet for **RC201700L3V**

### **RAD18 (NM\_020165) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	RAD18 (NM_020165) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RAD18
Synonyms:	RNF73
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_020165
ORF Size:	1485 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201700).
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. <a href="#">More info</a>
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:	<a href="#">NM_020165.2</a> , <a href="#">NP_064550.2</a>
RefSeq Size:	5739 bp
RefSeq ORF:	1488 bp
Locus ID:	56852
UniProt ID:	<a href="#">Q9NS91</a>
Cytogenetics:	3p25.3
Domains:	RING, SAP, ZnF_Rad18
Protein Families:	Druggable Genome



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**MW:** 56.2 kDa

**Gene Summary:** The protein encoded by this gene is highly similar to *S. cerevisiae* DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens. [provided by RefSeq, Jul 2008]