

Product datasheet for **MR221590L4V**

Rad18 (NM_021385) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rad18 (NM_021385) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rad18
Synonyms:	2810024C04Rik; Rad18sc
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021385
ORF Size:	1527 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221590).
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_021385.2 , NP_067360.2
RefSeq Size:	2560 bp
RefSeq ORF:	1530 bp
Locus ID:	58186
UniProt ID:	Q9QXK2
Cytogenetics:	6 E3



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Gene Summary:

E3 ubiquitin-protein ligase involved in postreplication repair of UV-damaged DNA. Postreplication repair functions in gap-filling of a daughter strand on replication of damaged DNA. Associates to the E2 ubiquitin conjugating enzyme UBE2B to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. Has ssDNA binding activity.[UniProtKB/Swiss-Prot Function]