

Product datasheet for **MR204841L4V**

Rad51d (NM_011235) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Rad51d (NM_011235) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Rad51d |
| Synonyms: | R51H; R51H3; Rad5; Rad51I3; TRAD; Trad-d5 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_011235 |
| ORF Size: | 990 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR204841). |
| 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_011235.3 , NP_035365.1 |
| RefSeq Size: | 7072 bp |
| RefSeq ORF: | 990 bp |
| Locus ID: | 19364 |
| UniProt ID: | O55230 |
| Cytogenetics: | 11 50.3 cM |



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Gene Summary:

This gene belongs to the Rad51 gene family whose products play a major role in homologous recombination and DNA repair. The encoded protein interacts with other proteins of this family, including Rad51b, Rad51c and Xrcc2, and plays an essential role in both DNA repair and telomere maintenance. In humans, germline mutations in this gene may be associated with predisposition to ovarian cancer. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]