

## Product datasheet for **RC217466L3V**

### **RAD51D (NM\_133629) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | RAD51D (NM_133629) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | RAD51D   |
| Synonyms:                 | BROVCA4; R51H3; RAD51L3; TRAD  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_133629  |
| ORF Size:                 | 648 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC217466).   |
| 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_133629.1</a>  |
| RefSeq Size:              | 1477 bp  |
| RefSeq ORF:               | 651 bp   |
| Locus ID:                 | 5892   |
| UniProt ID:               | <a href="#">O75771</a>   |
| Cytogenetics:             | 17q12  |
| Domains:                  | ENDO3c   |
| Protein Families:         | Druggable Genome   |



[View online »](#)

**Protein Pathways:** Homologous recombination

**MW:** 23.1 kDa

**Gene Summary:** The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream ring finger and FYVE-like domain containing 1 (RFFL) gene. [provided by RefSeq, Jan 2011]