

Product datasheet for **RC219012L2V**

REC8 (NM_001048205) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | REC8 (NM_001048205) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | REC8 |
| Synonyms: | HR21spB; REC8L1; Rec8p |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_001048205 |
| ORF Size: | 1641 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219012). |
| 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_001048205.1 |
| RefSeq Size: | 2354 bp |
| RefSeq ORF: | 1644 bp |
| Locus ID: | 9985 |
| UniProt ID: | O95072 |
| Cytogenetics: | 14q12 |
| Protein Pathways: | Oocyte meiosis |
| MW: | 62.6 kDa |



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Gene Summary:

This gene encodes a member of the kleisin family of SMC (structural maintenance of chromosome) protein partners. The protein localizes to the axial elements of chromosomes during meiosis in both oocytes and spermatocytes. In the mouse, the homologous protein is a key component of the meiotic cohesion complex, which regulates sister chromatid cohesion and recombination between homologous chromosomes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]