

## Product datasheet for **SC315442**

### REC8 (NM\_001048205) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	REC8 (NM_001048205) Human Untagged Clone
Tag:	Tag Free
Symbol:	REC8
Synonyms:	HR21spB; REC8L1; Rec8p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC315442 representing NM\_001048205.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

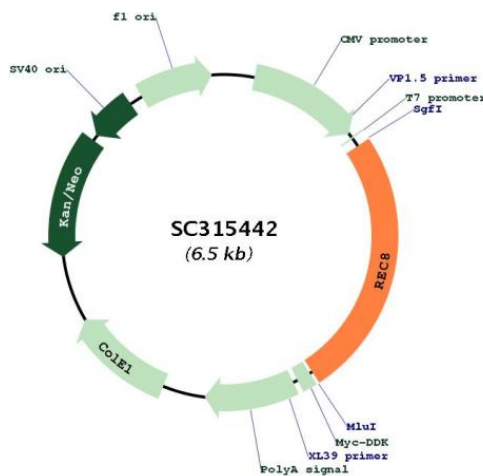
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCTACTATCCCAACGTGCTTCAGCGCCACACCGGCTGCTTTGCCACCATCTGGCTGGCGGCGACT
CGCGGCAGCCGGTTGGTGAAGCGGAATACCTGAGGGTGAATGTGGTGAAAACCTGCGAGGAAATCCTC
AATTACGTGCTGGTACGAGTGCAACCCCGCAGCCCGGCCTGCCGCGCCCGCTTCTCCCTCTATCTC
TCAGCCCAACTTCAGATCGGTGTGATCCGCGTCTATTCTCAACAATGCCAGTACCTCGTGGAGGACATC
CAGCACATCTTGGAGCGCCTCCACCGTGCCAGCTGCAGATCCGAATAGATATGGAGACTGAGTACCC
AGCCTGCTGCTTCTAACACCTGGCCATGATGGAGACCTAGAAGATGCTCCAGATCCCTTTTTTGGG
ATGATGCTGTGGATCCCAGACTTCTAGTCTTTGATATCCCTCAGATTGCACACCTCTTAGAGGCT
GCAATCCAGAGAGAGTTGAAGAGATCCCTCCTGAAGTTCCTACAGAGCCAGGGAGCCAGAGAGGATT
CCGGTCACTGTGCTGCCACCTGAGGCCATCACGATCCTGGAGGCAGAGCCATACGGATGCTGGAGATT
GAGGGTGAACGGGAGCTCCAGAGGTGAGCCGCCGAGAAGTGGACCTGCTGATCGCAGAGGAAGAAGAA
GCTATCTTGTAGAAATCCCGCGCTCCACCTCCAGCTCCTGCAGAGGTGGAAGGAATAGGAGAGGCA
CTGGGTCCTGAGGAGCTGAGGCTGACAGGCTGGGAACCTGGGGCCCTACTCATGGAGGTGACCCCCCG
GAGGAGCTGCGTCTGCCAGCCCCACCCAGCCAGAGAGGAGGCCCCAGTCCCCCACCTCCTCGCCGC
CGCCGTCGTGCGCGGTTACTGTTCTGGGACAAGGAGACTCAGATCTCCCCGAGAAATCCAGGAACAA
CTGCAAACCAGAGCCCACTGCTGGGAATGTCCTATGGTGCAGCCGCCGAGAGGACCATCAGAGGCCCT
GCGGAGTTGTTGAGAACCCCACTCTCTGGCTGGTACCCCTGAAGTACTGGGTCTCTGGACCCAT
TGTGCCAGCCACCCCAAAAGCCCTCAGGCGAGAGCTGCCTGAGGAGGCAGCCGCTGAGGAGGAAAAGG
AGAAAGATTGAAGTTCCAAGTGAGATTGAGGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
GTGTCTTTAGAGATCTCCCTAGAGGCAGCTGAAGAGGAGAAGTCCCGCATCAGCCTCATCCACCAGAA
GAACGGTGGGCTGCGCTGAGGTGGAGGCGCCAGAAGCTCCTGCATTGCCCGTGGTGCCTGAACTCCTT
GAGGTGCCATGGAGATGCCTTTGGTGCTGCCCCAGAGCTCGAGCTGCTCTCACTGGAAGCAGTGCAC
AGGGCAGTGGCACTGGAGCTGCAGGTAACAGGGAGCCGACTTCAGCAGCCTGGTGTACCTCTCAGC
CCCCGAGGATGGCTGCCGGGTCTTCTACCTGCTCCTGGTGTCTCAGCGCAACAGATTCTTACGTG
AAACAAGAAAAGCCATATGGTCGCTCCTGATCCAGCCGGGGCCAGATTCCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:**

Sgfl-MluI

**Plasmid Map:**



<b>ACCN:</b>	NM_001048205
<b>Insert Size:</b>	1644 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001048205.1</a></u>
<b>RefSeq Size:</b>	2354 bp
<b>RefSeq ORF:</b>	1644 bp
<b>Locus ID:</b>	9985
<b>UniProt ID:</b>	<u><a href="#">O95072</a></u>
<b>Cytogenetics:</b>	14q12
<b>Protein Pathways:</b>	Oocyte meiosis
<b>MW:</b>	62.6 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1.</p>