

Product datasheet for **SC311247**

REC114 (NM_001042367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REC114 (NM_001042367) Human Untagged Clone
Tag:	Tag Free
Symbol:	REC114
Synonyms:	C15orf60; CT147; OOMD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311247 representing NM_001042367. Blue=Insert sequence Red=Cloning site Green=Tag(s)

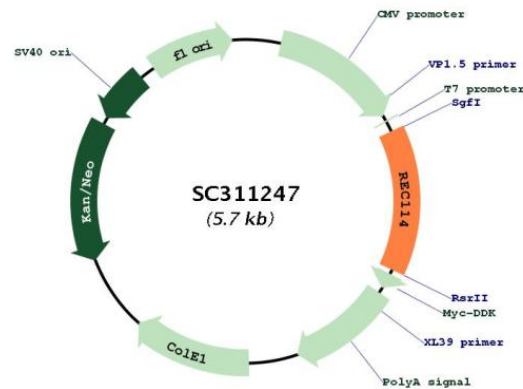
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGGCAGGAAAAGTGCCCTTGAGCCTCGGGCTTACCGGAGGAGAAGCGGCAGAGTGGCCTCTG
CAGCGGTACGCCCGCTGCATACCCTCAAACACCAGAGACCCACCTGGCCATGCCTGGAAGCTGGGACA
GCCCCCTGCCCCACATGGAAGGTTTTGATTCCAATGAAGAATCTGGATATCTTGTCTCACCATAGTT
ATATCAGGTCATTTCTTCATTTTCCAAGGACAGACACTACTGGAAGGTTTTCACTATTGGTAGCAAG
GACTGGTTGAAGATTGTAAGACGCGTGGATTGTCTGTTGTTGGAACAACGATAAAGGACAAGAGTCGC
CTGTTTCGAGTACAGTTCAGTGGAGAGTCAAAGGAGCAGGCGCTGGAACACTGCTGCAGTTGTGTTGAG
AAGCTGGCACAATACATAACCGTGCAGGTGCCTGATGAAAACATCCAGGAGCTTCAGCTGATTCCTGGC
CCACCCAGGGCAACTGAAAGTCAAGGGAAGGATTCTGCAAAGAGTGTCCCACGGCAGCCTGGATCCAC
CAGCACTCAGAACAACAGCAAGTGTGTGTAAACAGCGGGCACAGGCGCTCCAGACGGAAGGACCTCACTG
ACGCAGTTAGCTCAGACTCTTCTGGCATCGGAGGAGCTGCCCCATGTCTATGAACAATCTGCATGGGGT
GCAGAAGAGTTAGGCCCTTCTACGTTTGTGCCTTATGGATCAGAATTTCCAGCATTTGTGGAAGAG
GTAGAAAAGGAACTGAAAAGCTGGCGGGTTTGAAGAATAA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



[View online »](#)

Plasmid Map:



ACCN: NM_001042367

Insert Size: 801 bp

OTI Disclaimer: 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).

OTI Annotation: 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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001042367.1](#)

RefSeq Size: 938 bp

RefSeq ORF: 801 bp

Locus ID: 283677

UniProt ID: Q7Z4M0

Cytogenetics: 15q24.1

MW: 29.2 kDa

Gene Summary: The protein encoded by this gene is orthologous to the mouse meiotic recombination protein REC114, which is involved in DNA double-strand break formation during meiosis. The encoded protein is conserved in most eukaryotes and was first discovered and characterized in yeast. [provided by RefSeq, Feb 2017]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).