

Product datasheet for **SC321201**

REC8 (NM_005132) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REC8 (NM_005132) Human Untagged Clone
Tag:	Tag Free
Symbol:	REC8
Synonyms:	HR21spB; REC8L1; Rec8p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005132.2
 TAGGCGGCCCGGGGCCACACCGCGGCCCAAGCCAGTGCAAGGCCAGGGGCCTGACA
 TCGCTCCCAGCGCTCGAGGACCGAGGCCTGCTGTGGAGGGCACCCTGCTCCCTCGGGACC
 TGCTCTGGATTCCGGCCCGGACGTCCTTGGAGCTCTGCATCTCCAACCTGGAACCCAA
 CCCAGAAGTCTCAAGTTTGACGCATCACGTGGCGTGCGGATCCACTGAGGGTCCACAGAG
 AGGGGCGCCCATCTCTGCGTCTCAGTTATCCTGGTAATTGTGTATCTGCCATTGTTCCG
 TTGCCTCATTAACCTGGCTTTCTAGTGCACCCACCTTGCCACCAGAGAAGTCCAATCC
 TGACTTCTCTCCAAGGTGTTGGGAATTCTGTGCCCTAAAGAATCCGACTCAGATCCGAA
 CGGGGATCTGGTGAATCGAGGGTGAAAGACCAGAGGGACAATGTTCTACTATCCCAACG
 TGCTTCAGCGCCACACCGGCTGCTTTGCCACCATCTGGCTGGCGGCGACTCGCGGACGCC
 GGTTGGTGAAGCGCAATACCTGAGGGTGAATGTGGTGAACACCTGCGAGGAAATCCTCA
 ATTACGTGCTGGTACGAGTGCAACCCCGCAGCCCGGCTGCCGCGGCCCGCTTCTCCC
 TCTATCTCTCAGCCCACTTCAGATCGGTGTGATCCGCGTCTATTCTCAACAATGCCAGT
 ACCTCGTGGAGGACATCCAGCACATCTTGAGCGCCTCCACCGTCCCAGCTGCAGATCC
 GAATAGATATGGAGACTGAGCTACCCAGCCTGCTGCTTCTAACCACCTGGCCATGATGG
 AGACCCTAGAAGATGCTCCAGATCCCTTTTTGGGATGATGTCTGTGGATCCCAGACTTC
 CTAGTCCCTTCGATATCCCTCAGATTTCGACACCTTTAGAGGCTGCAATCCCAGAGAGAG
 TTGAAGAGATCCCTCCTGAAGTTCCTACAGAGCCAGGGAGCCAGAGAGGATTCCGGTCA
 CTGTGCTGCCACCTGAGGCCATCACGATCCTGGAGGCAGAGCCATACGGATGCTGGAGA
 TTGAGGGTGAACGGGAGCTCCAGAGGTGAGCCGCGAGAAGTGGACCTGCTGATCGCAG
 AGGAAGAAGAAGTATCTTGTTAGAAATCCCGCGGCTCCCACCTCCAGCTCCTGCAGAGG
 TGAAGGAATAGGAGAGGCACTGGTCTGAGGAGCTGAGGCTGACAGGCTGGAACTCG
 GGGCCCTACTCATGGAGGTGACCCCGGAGGAGCTGCGTCTGCCAGCCCAACCCAGAG
 CAGAGAGGAGGCCCCAGTCCCCCACCTCCTCGCCGCCCGCTGCTCGCCGTTACTGT
 TCTGGGACAAGGAGACTCAGATCTCCCCGAGAAATCCAGGAACAAGTCAAACACAGAG
 CCCACTGCTGGGAATGTCTATGGTGCAGCCGCGCCGAGAGGACCATCAGAGGCCCTGCGG
 AGTTGTTGAGAACCCCACTCTCTCTGGCTGGCTACCCCTGAACTACTGGGTCTCTGGA
 CCCATTGTGCCAGCCACCCCAAAAGCCCTCAGGCGAGAGCTGCCTGAGGAGGCAGCCG
 CTGAGGAGGAAAGGAGAAAGATTGAAGTCCAAGTGAAGTGGAGTCCCAGGGAGGCC
 TGGAGCCAGTGTCCCCTTATGGTGTCTTTAGAGATCTCCCTAGAGGCAGCTGAAGAGG
 AGAAGTCCCGCATCAGCCTCATCCACCAGAAGAACGGTGGGCTGGCCTGAGGTGGAGG
 CGCCAGAAGCTCCTGCATTGCCCGTGGTGCCTGAACTCCCTGAGGTGCCATGGAGATGC
 CTTTGGTGTGCCCCAGAGCTCGAGCTGCTCTCACTGGAAGCAGTGCACAGGGCAGTGG
 CACTGGAGCTGCAGGCTAACAGGGAGCCCGACTTCAGCAGCCTGGTGTACCTCTCAGCC
 CCCGCAGGATGGCTGCCCGGCTTCTACCTGCTCCTGGTGTCTCAGCGCAACAGATTC
 TTCACGTGAAACAAGAAAAGCCATATGGTGCCTCCTGATCCAGCCGGGGCCAGATTCC
 ACTGAGGTTAGAGTCCATTTACAAAGCTGCCAGGAAACCGGCCACTTCTAGTAAACCAGC
 TCGTGCCTCACTGGTCTGCTTACCTCATTTCTGAATGTGATTTCCAGCCTTCTTGCT
 CTCAGAGCTATTGTTCAAGCAGAAAACAAGCTGCTTTTATTACAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_005132

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:	<ol style="list-style-type: none">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_005132.2 , NP_005123.2
RefSeq Size:	2253 bp
RefSeq ORF:	1644 bp
Locus ID:	9985
UniProt ID:	O95072
Cytogenetics:	14q12
Domains:	Rad21_Rec8, Rad21_Rec8_N
Protein Pathways:	Oocyte meiosis
Gene Summary:	<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 (1) represents the shorter transcript.</p>