

Product datasheet for **RN203532**

Recql (NM_001012098) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Recql (NM_001012098) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Recql
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203532 representing NM_001012098
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCCATCCAGCTCTAACGGATGAAGTGGAGTCTGTGTCCAGTGAGCTCCATGCAGTTGACATCC
 AGATTC AAGA AACTTACAGAGAGGCAGCAGGAGCTCCTTACAGAGAAAGTCAGTCCTGACAAAGAGAATCAA
 GCAGTGCTTAGAGGACTCTGCTGCCGAGGCGAGCGGCGACTGTGACACGCTCCAGCTGCATGGAGTAAA
 GAAGATTTCCCATGGTCCGAAAGGTAAAACATGTGCTGCGAGATGTGTTTAAACTGCAGAAGTTGAGAC
 CTCTGCAGCTGGAGACTGTCAATGCCACCATGGCGAGAAAGGACATCTTTCTTGCATGCCACAGGAGG
 AGGGAAGAGCTTGTGCTACCAGCTGCCAGCGCTGTGCTCAGACGGTTTTACTGGTGATTTGTCCACTC
 ATCTCTCTTATGGAAGATCAGCTGATGGTTTTACAACAGTTGGGATTTACAGCTACTATGTTGAATCTT
 CTAGCTCTAAGGAACATGTAATAATGTGTGCACACTGAAATGATGAATAAAAACTCCCACTAAAGCTGAT
 TTATGTGACTCCAGAGAAAATTGCAAAAAGCAAGATGTTTATGTCGAGGCTAGAGAAAGCCTATGAGGCC
 GGGAGACTGACTGGAGTGGCGGTGGATGAAGTGCATTGCTGCAGTCAGTGGGGACATGACTTCAGGCCGG
 ATTACAAAGCACTCGGCATCTTGAAGCGCCAGTTTCCCAACATCTCACTGATTGGGCTGACAGCAACAGC
 AACCAACCATGTTTTGAAGGATGCACAGAAAATCCTATGTGTGGAGAAATGTTTGACATTTACAGCGTCT
 TTCAACAGACCAATCTCTACTATGAGGTTCCGCGAGAAGCCCTCGAGTGTGAAGACTTTATCGAAAACA
 TTGCAAACCTTATTAATGGACGGTACAAAGGAAAGTCAGGAATCATATACTGTTTTTCTCAGAAAGACTC
 TGAACAAGTCACCATTAGCTTACAGAAGCTGGGGTCCGTGCAGGCCTTACCATGCCAACATGGAGCCG
 GAGGACAGGACCAAGGTTACACGCAGTGGTCAAGCAATGAGCTTCAATGAGCAAAATCCATGGAGAA
 TTGGCATGGGAATTGATAAGCCTGACGTGAGGTTTGTCTCCATCATTCAATGAGCAAAATCCATGGAGAA
 TTACTACCAAGAGAGTGGCGTCCGCGTGCAGATGACTGGAGAGCAGACTGTATTCTGTATTACGGCTTC
 GGAGACATATTCAGGATCAGCTCGATGGTGGTCTATGGAGAATGTGGGACAGCAGAAGCTGTATGAGATGG
 TGTCACTGCCAGAATATCAGCAAGTGTCCGCTGCGTTAATAGCCCAACATTTTATGAGAGTGTGGAA
 TGCAGACGCCTGTAAACAAAATGTGTGACAACACTGCTGTAAGACGACTCGTTTGGAGAAAAGAAATAAACC
 GAGCACTGCCAAGCCCTGATCAAGATTCTGAAGCAGGCAGAAAGGACTGAATGAAAAGCTCACCCCACTGA
 AGCTGATTGATGCTTGGATGGGAAAGGGAGCAGCAAGTTCAGAGTGGCTGGCGTTGCTGTCCAGCCCT
 TCCCGGAGAAGACCTGGAGAAAATCATCGTACATGCTCTCCTGCAGCAGTATCTCAAGGAAGACTACAGC
 TTCACGGCTTATGCTACCATCTCGTATCTGAAGGTGGGACCCAGAGCTAGTCTTCTTAGCAACGAAGGCC
 ATGCTGTCACTATGCAAGTGAAGAGTCCACACAGAGCAGCGTTAGGGCTGCGTACCTGAAGCTTGTGA
 AGTGGATTCAAAGGGGAAAGAAAAGAGCTCAGCAGTACTATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001012098
- Insert Size:** 1866 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).
- 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_001012098.1](#), [NP_001012098.1](#)

RefSeq Size: 2427 bp

RefSeq ORF: 1866 bp

Locus ID: 312824

UniProt ID: [Q6AYJ1](#)

Cytogenetics: 4q44

Gene Summary: DNA helicase that may play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction (By similarity).[UniProtKB/Swiss-Prot Function]