

## Product datasheet for MC223979

### Recql4 (NM\_058214) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Recql4 (NM_058214) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Recql4
Synonyms:	RecQ4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223979 representing NM_058214 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCGGCTCGCGACCGTTTCGCGCGGGCTACAGGAGTGGGAACGCGCTTTTGCACGGCTGCACGGGC  
GACGGCCAGCGAAGGGGGATGTGGAGGGCGCACCTGAAGAGACCCGCGCTCTACCGTGAGTACCGTAA  
CCTAAAGCAGGGGTGCGTCAGGCTGACGACAGACATCGTGTCTAGAGCAATCACTTGCCGAGGACGCT  
GAGGAGGCACAGGAGCCAAGCTGCTGGGTCCCCACCTGAGTCGAGCTGCAACGCAGAATACGCAGTCTA  
TGCCAAAACAGAGCCTACTGAGTTCTGTACAAGACTATGGGAAGAGGCTCAAAGCCAATCTGAAAAACAC  
AACACAGACTGGACCAACCCAGAGCAGAAAACCTCCAGTTCAGAAGAGATCCTTGTCCACAGTTCCTGCC  
CCAAGGCCACAGGCTCAAAGACTGAATCCCCCTGTCCAGACGAAGCTGACGATGCACTTCTCGGGTTC  
CTGAGCCCCGGCCGAGGCTGGGCCAGCTCCAGCAGCTCCGATCATCCCTCAGCCGGAGGTTGACTTCCCT  
AGACCTGGTTGGTTAGAGAGGTGCACAACAGAGTTTTCAGATCTTCTAGAGGTTCCGGGTGCTTGTGGG  
CTTGACCTGAGTGCAGAGGAGTACAGCCTCAGATGTCAGGCAAGGTGAACATCGCTGATCCTGACATCC  
AGTCAGAAGTATCTGTACAGAGCCAGAGGCCATAGCCCAACAGCCAGCCAGGTTTGTACAGAGCCC  
CAAATCCATCAACAGTAAAGGCAGGAAGCGGAAGTGAATGAGAAGGGGGAGGACTTTCACAAGACCAG  
CCCAGCAGCGGAGCAGGACCCCTGTCTGAGGGAGCCAGGCTACAGTACATGGGCAAGACCTCCAGGAG  
AACCCACACAAGTGAATGTCCCTCAGCCATGCAATTCCTCAAACCAGGCCAGGACAGAGAAGGCTAAGGG  
CACAACCCACCTCCATGCCTCTCCTCGACCAGTTCCTAGACAGAGGGAATAATTGACTCAACATG  
AAAAACAAACGCTTTGTACGAGTTGGGGCAATCGGGCAGGCTTCTCCGTAAGCAGGTATGGAAGCAA  
AGTGAAGAAGAAACAAGCTGCGTTTGGGGAAAGTGGACCCAGGGCCACAGACAAGGACACTTGTTCGG  
GTGTGGGCAGTTTGGTCACTGGGCATCCAGTGTCCCAACCAGGCCCCACCTGACCGTCCAAGAGGAA  
GGTGACAGGGATGACAAACAGCCATTTCCACCTTGAAGAAGTAGCACAGAGGACAGGCACTGCTTCTCT  
GTCACCACTCTGGTGAGGAAACACAGCCTGCTGCGCCAGAGCTACAGGTGCCTCATTGCCCCACCCCAAT  
GTCACCCCTCTACCCACCGGACCTTTGGGACAAGTAGCAGAAACCCCTGCTGAAGTATTCAGGCCCTA  
GAGCGGCTAGGTTACCGACCTTCCGCCCTGGGCAAGAGCGTGAATCATGCGGATTCTTCTGCGCATCT



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CTACTCTGTTAGTGTGCCACGGGTGCTGAAAAGTCTCTGTGCTACCAGCTTCCTGCACTGCTCTATGC  
 CCAGCGAAGCCCCTGCCTCACACTCGTGGTCTCGCCTCTCCTGTCACTCATGGATGACCAGGTGCCGAT  
 CTGCCCTCATGTCTGAAGGCAGCCTGCCTCCACTCAGGAATGACCAAGAAACAACGAGAGTCTGTCTTGA  
 AGAAGGTACGGGCAGCCAGGTGACAGTGTGATCGTGTCCCCAGAGGCCCTTGGTGGGGTGGGGGCTAG  
 GGGTCCCAGCAGCCTCCCCAGGCCGCTCAGCTGCCTCCAATTGCCTTCGCTGCATTGATGAGGTCCAC  
 TGCCCTCTCAGTGGTCACATAACTTCCGGCCCTGCTACCTACGTGTTTGCAAAGTTCTCCGGGAGCATA  
 TGGGGTGGCCTGCTTCTTGGGTCTCACAGCCACAGCCACGAAGCACTGCTCGAGATGTGGCTCAGCA  
 CCTTGGCATAGCTGGCGAGTTTGTAGCTCAGCGGGTCAGCCAACATCCCTGCCAATCTGCACCTCTCCGTG  
 TCCATGGATAGAGACTCAGACCAGGCTCTGGTGACATTGCTGCAAGGGGACCGTTTTTCGTACCCTGGATT  
 CAGTTATCATTTACTGCACTCGGCGAAAGGATACAGAACGGGTGGCTGCACTCCTCCGCACCTGCCTGTC  
 CATGGTGGGCGACTCAAGGCCAAGAGGCTGTGGCCCCGAGGCTATAGCTGAAGCCTACCATGCTGGCATG  
 AGCAGCCAGGAACGGCGACGAGTACAACAGGCCTTCATGCGGGGCCACCTGCGCATGGTAGTGGCCACGG  
 TAGCATTTGGGATGGGACTGGACCGTCCAGATGTTCCGGGTGTGCTGCACCTGGGACTGCCTCAAGCTT  
 CGAGAGCTACGTGCAAGCTATCGGCCGTGACGGGCGTGTGGGAAGCCTGCCATTGCCACCTATTCATG  
 CACCCCCAGGGTGAAGACCTTTGGGAAGTGCAGCAGACATGCCACGCTGACAGCACTGACTTCCTAGCTG  
 TGAAGAGGCTGGTGCAGGCTGTGTTCCACCCTGCACCTGCAGCCAGAGACCTGTTTCCAAGTCCCTACC  
 TGAGGAAGTCAAAGAGCACAGTGGCCAACAACATACCCTGTACTGGGCCAGGCCTGCCTGGGCCATGAG  
 CGGGCACTCCCAGTGCAGTCTACAGTACAGGCTCTGGACATGACAGAGGAGGCTATTGAGACTCTGCTGT  
 GCTATTTGGAAGTACACCCTCGGCACTGGTGGAGCTGCTGCCCTGGACCTACGCCCAAGTCCATCTGCA  
 TTGCCCTTGGCGCAGTGGCCAGTGAAGCTCTGGCCACAGGTGTCCTCCCTTTGGCTGCATGCCAGGCC  
 AAGTGGCCACCTAAAGACACAAGTCAGGGCAGGAGCTCCTTAGAGTTTGGTGTGGTGAAGTGGCAGACT  
 CGATGGGCTGGAAGTTGGCCTCTGTACGGCAGGCTCTCCACCAGCTGAAGTGGGACCCAGAGCCAAAGAA  
 AGGCGCAGCACAGGGCACCGGAGTGTGTTGAAGTTCAGCGAGTTGGCCTTTACCTGCACAGTCCGCGG  
 GACCTGACAGATGAGGAAAAGGACCAGATCTGTGACTTTCTGTACAACCGTGTGCAGGCTCGTGAACACA  
 AGGCCCTGGCCACCTACACCAATGTCCAAGGCCTTTGGAAGTGTGGCCTTTCCAGTTGTGGACCCTG  
 TTTAGAGCAGTCTAATGAGGAGCACAGCAATCAGGTGAAGACCCTGGTCAGCTACTTTGAGGAAGAG  
 GAGGAGGAGGAAGAACTATGACGGCACTCAGGGTCCAAAACCTGGGCAGACTCAGCTTCAGGACTGGG  
 AGGACCAATACGCCGGGATGTCCGCCAGCTCCTGTCCCTGAGGCCAGAAGAAAGTTTTTCAGGAAGGGC  
 TGTGGCCCGCATTTCCATGGCATTGCGAGTCCATGCTACCCAGCCAGGTGTATGGGCTGGACCGCGC  
 TTCTGGAGGAAGTACCTACACCTGGACTTCATGCCCTGATGCACCTAGTACAGAAGAGCTCCTGCTGA  
 GAGGCCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_058214
- Insert Size:** 3651 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\\_058214.3](#), [NP\\_478121.2](#)

**RefSeq Size:** 3922 bp

**RefSeq ORF:** 3651 bp

**Locus ID:** 79456

**UniProt ID:** [Q75NR7](#)

**Cytogenetics:** 15 D3

**Gene Summary:** DNA-dependent ATPase (By similarity). May play a role in development of the palate and the limbs. May modulate chromosome segregation.[UniProtKB/Swiss-Prot Function]