

Product datasheet for **SC318435**

RECQL5 (NM_004259) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQL5 (NM_004259) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECQL5
Synonyms:	RECQ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



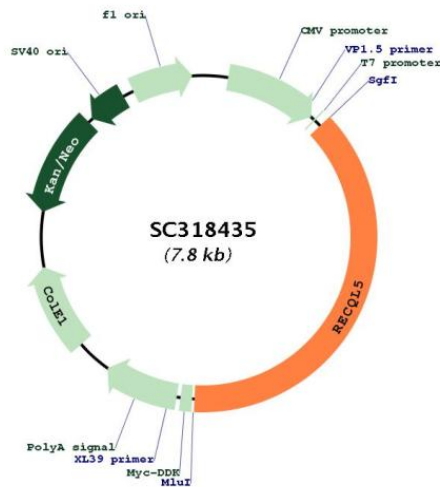
[View online »](#)

Fully Sequenced ORF: >SC318435 representing NM_004259.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCAGCCACCATACCACCTTTCTTTTGACCCTGAGCGCGAGTCCGGAGTACGCTGAAGAAGGTC
TTTGGGTTTGACTCTTTAAGACGCCTTTACAGGAGAGTGCAGCATGGCTGTAGTAAAAGGTAACAAG
GACGTCTTTGTGTGCATGCCACAGGGGACAGAAAATCCCTATGCTATCAGCTCCCTGCTCTGTTGGCC
AAAGGCATCACCATTGTAGTCTCTCTCTCATTGCTTTGATTGAGGACCAAGTGGACCACTTGCTAACC
CTAAAGGTACGAGTAAGTTCCTGAACCTCGAAGCTCTCTGCACAGGAAAGGAAGGAGCTGCTTGCTGAC
CTGGAGCGAGAAAAGCCCGACCAAGATTCTGTACATCACCCACAGAGATGGCAGCTTATCCTCCTTC
CAGCCACCTGAACTCCCTGGTGTCCCGCCACCTGCTGTCTTACTTGGTGGTGGATGAAGCTCATTGT
GTTTCCCAATGGGGCATGACTTTCGCTCTGACTACTTGCCTGCTGGTGCCTGCGCTCCCGCTGGGA
CATGCCCTTGTGTGGCTCTGACCGCCACAGCCACCCACAGTCCAAGAGGACGTGTTTGTGCCCTG
CACCTGAAGAAACAGTTGCCATCTTCAAGACTCCCTGCTTCCGGGCCAACCTCTTCTATGATGTGCAA
TTCAAGGAACTGATTTCTGATCCCTATGGGAACCTGAAGGACTTCTGCCTAAGGCTCTGGACAGGAG
GCTGATAAAGGGTTATCTGGCTGCGGCATTGTGTACTGCAGGACTAGAGAGGCTTGTGAACAGCTGGCC
ATAGAGCTCAGCTGCAGGGGTGTGAACGCCAAGGCTTACCATGCAGGGCTGAAGGCCCTGAAAGAAGC
CTGGTGCAGAAGGACTGGATGGAGGAGAAGTCCCTGTAATTGTTGCAACCATTAGTTTTGGGATGGGA
GTGGATAAAGCCAATGTCAGGTTTGTGCGCCATTGGAATATTGCCAAGTCTATGGCTGGTACTACCAG
GAGTCTGGCCGGGCTGGCAGGGATGGGAAGCCTTCTGGTGCCTCTCTATTACTCCAGGAATGACCGG
GACCAAGTCAGCTTCTGATCAGGAAGGAAGTAGCAAACTCCAGGAAAAGAGAGGAAACAAGCATCT
GATAAAGCCACTATCATGGCCTTTGATGCCCTGGTACTTCTGTGAAGAACTGGGGTCCCGCCATGCC
GCCAATGGCAAGTACTTGGGGATGCGCTGCCTGCCTGCCCAAAGGCTGCGACCACTGCCAGAACCC
ACGGCCGTGCGGAGGCGCTGGAGGCTTGGAGCGCAGCAGCTGGAGCAAGACTGCATCGGGCC
TCCAGGGGAACGGCTTTGACCCGAGCTGTACGAGGGAGGCCGAAGGCTACGGGACTTCAGCAGG
TATGACGAAGTTCTGGAGGCAGCGGGATGAAGGCAGAGATGAGGCCCAAGCGGGAGTGAACCTC
TTCTATCAGAAGCAGATGCAGCTGCGCAAGGGCAAGACCCCAAGATAGAAGAATTTGTACCCAGAT
GAGAACTGTCCCAGAAAGAGGCTTCTAGCAGGAGGATCCCGAGGCTGACTGTGAAGGCACGGGAGCAC
TGCTGCGGCTTCTGGAGGAGCGCTGAGCAGCAACCGCCAGTCAACACGTACCCTGATGAAGCTGAC
CTCCGGCCAAAGCCGTGGAGCTGGAACATGAGACATTCCGGAACGCCAAGGTGGCAACCTCTACAAG
GCCAGCTGCTGAAGAAGGTGGCCGATATCCACAGAGCCTCCAAGGATGGCAGCCCTATGACATGGGA
GGCAGTGCCAAGAGCTGCAGTGCCCAAGCTGAGCCCCGGAGCCCAATGAGTATGACATCCACCAGCC
TCCCATGTGACTCGCTCAAACCAAGCGGGTGGGAGCTGGTTTTCCCAAGGCTCCTGCCGTTCCAG
ACGGCCACGGAAGTATGGAGACGACTCGGATCAGGGAGCAAGCCCCAGCCGAGCGGGAGGCGAG
CACGAGCCCCGAGCCGGCCCTGTGGCTCCTGGATGAGGATGGGAGTGAAGCCCTCCCTGGGCCAGA
GGGGAGTCCCTGGAGGCAGCGCTCACTATGGGGGCCCTCCCTGAGAAGAAGGCAAAAAGTTCCTCT
GGGGCAGCTCCCTTCCAAGGGCCGGGCTAGCAAGAAACAGCAGCTCCTAGCCACAGCGGCCACAAG
GATTCTCAGAGCATGCCCGCTTCTTCTGCCGAAGGGTGGAAAGCCAGCTCTGCTGGCATCAGCCCCA
GAGGCAGAAGGTGCCTGCCCTCCTGTGAGGGGTTTCAAGGACCCCGATGGCCCCAGAGAAGTACACA
GGGGAGGAAGATGGAGCCGGGGACATTGCGCTGCCCTCCCGAGACTGAGGAGTGCCTCAGGGAGAGG
CCAAGCACCTGCCCGCCAGAGACCAGGGCACCCCTGAAGTCCAGCCACCCCTGCAAAGGACACATGG
AAGGGCAAGCGGCTCGATCCCAGCAGGAGAACCAGAGAGCCAGCCTCAGAAGAGGCCACGCCCTCA
GCCAAGCCCTCCGTGAGTGTAGGTCAGGGCAGCGTCTCGGCCAGCGAACAGGGCACCTTGAATCCC
ACGGCTCAAGACCCCTTCCAGCTCTCCGCTCCTGGCTCTCCTTGAAGGAGGCTGCAAATGTTGTGGTC
AAGTGCCTCACCCCTTCTACAAGGAGGCAAGTTTGTCTCAAGGAGTGTTTAAAGGCTTTGCCCGC
CACCTCTCACACTTGCTGACTCAGAAGACCTCTCCTGGAAGGAGGCTGAAAGAAGAGGCCAGAACCTC
ATCAGGCACTTCTTCATGGCCGGGCCCGTGCAGAGCGAAGCTGACTGGCATGCCTGTGTGGCCCC
CAGAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_004259

Insert Size: 2976 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_004259.6](#)

RefSeq Size: 3732 bp

RefSeq ORF: 2976 bp

Locus ID: 9400

UniProt ID: [O94762](#)

Cytogenetics: 17q25.1

Domains: DEAD, helicase_C

MW: 108.9 kDa

Gene Summary: The protein encoded by this gene is a helicase that is important for genome stability. The encoded protein also prevents aberrant homologous recombination by displacing RAD51 from ssDNA. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Transcript Variant: This variant (1) is also known as RecQ5-beta; it encodes the longest isoform (1).