

Product datasheet for SC117464

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117464 sequence for NM_004259 edited (data generated by NextGen Sequencing)

```

ATGAGCAGCCACCATAACCACCTTTCCTTTTGACCCTGAGCGGCGAGTCCGGAGTACGCTG
AAGAAGGTCTTTGGGTTTGACTCTTTTAAGACGCCTTTACAGGAGAGTGCACCATTGGCT
GTAGTAAAAGGTAACAAGGACGTCTTTGTGTGCATGCCACAGGGGCAGGAAAATCCCTA
TGCTATCAGTCCCTGCTCTGTTGGCCAAAGGCATCACCATTGTAGTCTCTCCTCTCATT
GCTTTGATTACAGGACCAAGTGGACCACTTGCTAACCTAAAGGTACGAGTAAGTTCCTG
AACTCGAAGTCTCTGCACAGGAAAGGAAGGAGCTGCTTGCTGACCTGGAGCGAGAAAAG
CCCCAGACCAAGATTCTGTACATCACCCAGAGATGGCAGCTTCATCCTCCTCCAGCCC
ACCCTGAACTCCCTGGTGTCCCACCCTGCTGTCTTACTTGGTGGTGGATGAAGCTCAT
TGTGTTTCCCAATGGGGCATGACTTTTCGTCTGACTACTTGGTCTGGGTGCCCTGCCG
TCCCGCCTGGGACATGCCCTTGTGTGGCTCTGACCGCCACAGCCACCCACAGGTCCAA
GAGGACGTGTTTCTGCCTGCACCTGAAGAAACCAGTTGCCATCTTCAAGACTCCCTGC
TTCCGGGCCAACCTCTTCTATGATGTGCAATTCAGGAAGTATTCTGATCCCTATGGG
AACCTGAAGGACTTCTGCCTTAAGGCTCTTGGACAGGAGGCTGATAAAGGTTATCTGGC
TGCGGCATTGTGTACTGCAGGACTAGAGAGGCTTGTGAACAGCTGGCCATAGAGCTCAGC
TGCAGGGGTGTGAACGCCAAGGCTTACCATGCAGGGCTGAAGGCCTCTGAAAGAACGCTG
GTGCAGAACGACTGGATGGAGGAGAAGTCCCTGTAATTGTTGCAACCATTAGTTTTGGG
ATGGGAGTGGATAAAGCCAATGTCAGTTTGTGCGCCATTGGAATATTGCCAAGTCTATG
GCTGGGTACTACCAGGAGTCTGGCCGGGCTGGCAGGGATGGGAAGCCTTCTGGTGCCGT
CTCTATTACTCCAGGAATGACCGGGACCAAGTCAGCTTCTGATCAGGAAGGAAGTAGCA
AAACTCCAGGAAAAGAGAGGAAACAAAGCATCTGATAAAGCCACTATCATGGCCTTTGAT
GCCCTGGTACCTTCTGTGAAGAACTGGGGTGCCGCCATGCCGCCATTGCCAAGTACTTC
GGGGATGCGCTGCCTGCCTGCGCCAAAGGCTGCGACCACTGCCAGAACCCACGGCCGTG
CGGAGGCGGCTGGAGGCCTTGGAGCGCAGCAGCAGCTGGAGCAAGACCTGCATCGGGCCC
TCCAGGGGAACGGCTTTGACCCCGAGCTGTACGAGGGAGGCCGAAGGGCTACGGGGAC
TTCAGCAGGTATGACGAAGTTCTGGAGGCAGCGGGGATGAAGGCAGAGATGAGGCCAC

```



[View online »](#)

AAGCGGGAGTGGAACTCTTCTATCAGAAGCAGATGCAGCTGCGCAAGGGCAAAGACCCC
 AAGATAGAAGAATTTGTACCCCCAGATGAGAACTGTCCCCTGAAAGAGGCTTCTAGCAGG
 AGGATCCCCAGGCTGACTGTGAAGGCACGGGAGCACTGCCTGCGGCTTCTGGAGGAGGCG
 CTGAGCAGCAACCGCCAGTCAACACGTACCGCTGATGAAGCTGACCTCCGGGCCAAGGCC
 GTGGAGCTGGAACATGAGACATTCGGAACGCCAAGGTGGCCAACCTCTACAAGGCCAGC
 GGAGGCAGTGCCAAGAGCTGCAGTGCCCAAGCTGAGCCCCGGAGCCCAATGAGTATGAC
 ATTCCACCAGCCTCCCATGTGTACTCGCTCAAACCCAAGCGGGTGGGAGCTGGTTTCCCC
 AAAGGCTCCTGCCGTTCCAGACGGCCACGGAAGTATGGAGACGACTCGGATCAGGGAG
 CAAGCCCCCAGCCGAGCGGGGAGCGAGCATGAGCCCCGAGCCGGCCCTGTGGCCTC
 CTGGATGAGGATGGGAGTGAAGCCCTCCCTGGGCCAGAGGGGAGGTCCCTGGAGGCAGC
 GCTCACTATGGGGGCCCTCCCTGAGAAGAAGGCCAAAAGTTCCCTGTGGGGCAGCTCC
 CTTGCCAAGGGCCGGCTAGCAAGAAACAGCAGCTCCTAGCCACAGCGGCCACAAGGAT
 TCTCAGAGCATCGCCGTTCTTCTGCCAAGGGTGGAAAGCCAGCTCTGCTGGCATCA
 GCCCAGAGGCAGAAGGTGCCTGCCCTCCTGTGAGGGGGTTCAGGGACCCCGATGGCC
 CCAGAGAAGTACACAGGGGAGGAAGATGGAGCCGGGGGACATTGCCTGCCCTCCCCAG
 ACTGAGGAGTGCCTCAGGGAGAGGCCAAGCACCTGCCCGCCAGAGACCAGGGCACCCCT
 GAAGTCCAGCCCACCCCTGCAAAGGACACATGGAAGGGCAAGCGGCTCGATCCCAGCAG
 GAGAACCAGAGAGCCAGCCTCAGAAGAGGCCACGCCCTCAGCCAAGCCCTCCGTGTA
 GCTGAGGTCAAGGGCAGCGTCTCGGCCAGCAACAGGGCACCTTGATCCACGGCTCAA
 GACCCCTCCAGCTCTCCGCTCCTGGCTCCTTGAAGGAGGCTGCAATGTTGTGGTC
 AAGTGCCTCACCCCTTTCTACAAGGAGGGCAAGTTTGTCTCCAAGGAGTGTTTAAAGGC
 TTTGCCCGCCACCTCTCACACTTGCTGACTCAGAAGACCTCCTGGAAGGAGCGTGAAA
 GAAGAGGCCCCAGAACCTCATCAGGCACTTCTTCCATGGCCGGGCCGGTGCAGAGCGGAA
 GCTGACTGGCATGGCCTGTGTGGCCCCAGAGATGA

Clone variation with respect to NM_004259.6
 2073 c=>t

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_004259 unedited
 ATTTGTAACACGATTTCACTATAGGGCGCCGCGAATTCGCACGAGGTTCTGCCTAAAG
 CTGAATTTCCAGCGCTTTGGCTTCTCTGAGTTGGGTTGTGTATAGGGTCTTCGAACAG
 TTCCGGAACCAGCCAGCAGCCTTTAATTCTTGGGCGGACCACGGCCGGTCTGTGTTCTT
 GGCTAAGATGAGCAGCCACCATAACCACCTTTCTTTTACCCCTGAGCGGCGAGTCCGGAG
 TACGCTGAAGAAGGTCTTTGGGTTTACTCTTTTAAGACGCTTTACAGGAGAGTGCGAC
 CATGGCTGTAGTAAAAGGTAACAAGGACGTCTTTGTGTGCATGCCACAGGGGCAGGAAA
 ATCCCTATGCTATCAGCTCCCTGCTCTGTTGGCCAAAGGCATCACCATTGTAGTCTCTCC
 TCTCATTGCTTTGATTACAGGACCAAGTGGACCACTTGCTAACCCATAAGGTACGAGTAAG
 TTCCCTGAACTCGAAGCTCTCTGCACAGGAAAGGAAGGAGCTGCTTGCTGACCTGGAGCG
 AGAAAAGCCCCAGACCAAGATTCTGTACATCACCCAGAGATGGCAGCTTCATCCTCCTT
 CCAGCCCACCCCTGAACTCCCTGGTGTCCCGCCACCTGCTGTCTTACTTGGTGGTGGATGA
 AGCTCATTGTGTTTCCCAATGGGGGCATGACTTTCGTCTGACTACTTGGCTCTGGGTGC
 CCTGCGCTCCCGCTGGGACATGCCCTTGTGTGGCTCTGACCGCCACAGCCACCCACACA
 GGTCCAAGAGGACGTGTTTGTGCTGCCCTGCACCTGAAGAANACAGTTGCCATCTTCAGACT
 CCCTGCTTNCGGGCCACCTCTTTNTGAT

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).