

Product datasheet for **SC109718**

RECQ1 (RECQL) (NM_002907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQ1 (RECQL) (NM_002907) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECQL
Synonyms:	RecQ1; RECQL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002907, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCGTTTCAGCTCTAACTGAGGAAGTGGATTCTATAACCCAGTGAGCTACATGCAGTAGAAATC
AAATTCAGAAGTACGGAAAGCAACAAGAGCTTATTCAGAAAAAAGTCTGACAAAGAAAAATAAA
GCAGTGTTTAGAGGATTCTGATGCCGGGCAAGCAATGAATATGATTCTCACCTGCCGCTTGAATAAA
GAAGATTTTCCATGGTCTGGTAAAGTTAAAGATATTCTGCAAAATGTCTTTAAACTGGAAAAGTTCAGAC
CACTTCAGCTTAAAATTAACGTAACAATGGCTGGAAGGAGGTATTTCTTGTATGCCTACAGGAGG
TGGAAAGAGCTTATGTTACCAGTACCAGCATTATGTTTCAGATGGTTTTACTCTCGTCATTTGCCATTG
ATCTCTCTATGGAAGACCAATTAATGGTTTTAAAACAATTAGGAATTCAGCAACCATGTTAAATGCTT
CTAGTTCTAAGGAGCATGTTAAATGGGTTTCATGCTGAAATGGTAAATAAAAACTCCGAGTTAAAGCTGAT
TTATGTGACTCCAGAGAAAATGCAAAAAGCAAAATGTTTATGTCAAGACTAGAGAAAGCCTATGAAGCA
AGGAGATTTACTCGAATTGCTGTGGATGAAGTTCAGTGTGTAGTCAGTGGGACATGATTTAGACCTG
ATTATAAGGCACCTTGGTATCTTAAAGCGCAGTCCCTAACGCATCACTAATTGGGCTGACTGCAACTGC
AACAAATCACGTTTTGACGGATGCTCAGAAAATTTGTGCATTGAAAAGTGTCTTTACTTTACAGCTTCT
TTTAATAGGCCAAATCTATATTATGAGGTTTCGGCAGAAGCCCTCAAACACTGAAGATTTTATTGAGGATA
TTGTAAGCTCATTAAATGGGAGATACAAAGGGCAATCAGGAATCATATATTGTTTTCTCAGAAAGACTC
TGAACAAGTTACGGTTAGTTTGCAGAATCTGGGAATTCATGCAGGTGCTTACCATGCCAATTTGGAGCCA
GAAGATAAGACCACAGTTCATAGAAAATGGTCAGCCAATGAAATTCAGGTAGTAGTGGCAACTGTTGCAT
TTGGTATGGGAATTGATAAGCCAGATGTGAGGTTTGTATCCATCATTCAATGAGTAAATCCATGGAAAA
TTATTACCAAGAGAGTGGACGTGCAGGTCGAGATGACATGAAAGCAGACTGTATTTGTACTACGGCTTT
GGAGATATATTCAGAATAAGTTCAATGGTGGTATGGAAAATGTGGACAGCAGAAGCTTTATGAGATGG
TATCATACTGTCAAACATAAGCAAAATGTCGTCGTGTGTTGATGGCTCAACATTTTATGAGTATGGAA
CTCAGAAGCATGTAACAAAATGTGCGATAACTGCTGTAAGACAGTGCATTTGAAAGAAAAGAACATAACA
GAGTACTGCAGAGATCTAATCAAGATCTGAAGCAGGCAGAGGAAGTGAATGAAAAACTCACTCCATTGA
AACTGATTGATCTTGGATGGGAAAGGTCAGCAAAACTGAGAGTAGCAGGTGTTGTGGCTCCCACACT
TCCTCGTGAAGATCTGGAGAAGATTATGCACACTTTCTAATACAGCAGTATCTTAAAGAAGACTACAGT
TTTACAGCTTATGCTACCATTTCTGATTTGAAAATAGGACCTAAAGCTAATCTTGAACAATGAGGCAC
ATGCTATTACTATGCAAGTGACAAAGTCCACGCAGAACTCTTTCAGGGCTGAATCGTCTCAAACCTGTCA
TTCTGAAACAAGGTGATAAAAAGATGGAGGAAAAAATTCAGGCAACTTCCAGAAGAAGGCTGCAAAACATG
CTTCAGCAATCTGGTTCTAAGAATACAGGAGCTAAGAAAAGAAAAATCGATGATGCC
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Restriction Sites: Sgfl-Mlul

ACCN: NM_002907

Insert Size: 3110 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).

RefSeq: [NM_002907.3](#), [NP_002898.2](#)

RefSeq Size: 3795 bp

RefSeq ORF: 1950 bp

Locus ID: 5965

UniProt ID: [P46063](#), [A0A024RAV2](#)

Domains: DEAD, helicase_C

Gene Summary: The protein encoded by this gene is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. The encoded protein is involved in the processing of Holliday junctions, the suppression of sister chromatid exchanges, telomere maintenance, and is required for genotoxic stress resistance. Defects in this gene have been associated with several types of cancer. [provided by RefSeq, Jan 2017]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.