

Product datasheet for **SC126149**

RECQ4 (RECQL4) (BC013277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQ4 (RECQL4) (BC013277) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECQ4
Synonyms:	RECQ4; RecQ protein-like 4; RecQ protein 4; RTS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC013277 edited
CTCGGGCATGACCAGGAAGCAACGGGAATCTGTCTGCAGAAGATTCGGGCAGCCCAGGT
ACACGTGCTGATGCTGACACCTGAGGCACTGGTGGGGCGGGAGGCTCCCTCCAGCCGC
ACAGCTGCCTCCAGTTGCTTTTGCCTGCATTGATGAGGCCACTGCCTCTCCAGTGGTC
CCACAACCTCCGGCCCTGCTACCTGCGCGTCTGCAAGGTGCTTCGGGAGCGCATGGGCGT
GCACCTGGCTGTGGCTGAAGAGCCTGACCTCCACGGGCCAGCCCAGTTCCCAACCT
GCACCTTTCCGTGCCATGGACAGGACACAGACCAGGCACTGTTGACGCTGCTGCAAGG
CAAACGTTTTTCAAACCTCGATTCCATTATCATTACTGCAACCGCGCGAGGACACAGA
GCGGATCGCTGCGCTCCTCCGAACCTGCCTGCACGCGAGCCTGGTCCCAGGGTCTGGAGG
TCGTGCCCCAAAACACAGCCGAGGCCTACCACGCGGGCATGTGCAGCCGGAACGGCG
GCGGGTACAGCGAGCCTTCATGCAGGGCCAGTTGCGGGTGGTGGCCACGGTGGCCTT
TGGGATGGGGCTGGACCGCCAGATGTGCGGGTGTGCTGCATCTGGGGTGCCTCCAAAG
CTTCGAGAGCTACGTGCAGGCCGTGGGCCGGCCGGGCGTGACGGGCAGCCTGCCACTG
CCACCTTCTCCTGCAGCCCCAGGGCGAAGACCTGCGAGAGCTGCGCAGACATGTGCACGC
CGACAGCACGGACTTCTGGCTGTGAAGAGGCTGGTACAGCGCGTGTCCAGCCTGCAC
CTGCACCTGCACCAGGCCGCCCTCGGAGCAGGAAGGGGCCGTGGGTGGGAGAGGCTGT
GCCCAAGTACCCCTCAAGAGGCTGAGCAGCTTAGCCACCAAGCAGCCCAGGACCCAG
AAGGGTGTGCATGGGCCATGAGCGGGCACTCCCAATACAGCTTACCGTACAGGCTTTGGA
CATGCCGGAGGAGGCCATCGAGACTTTGCTGTGCTACCTGGAGCTGCACCCACACCACTG
GCTGGAGCTGTGGCGACCACCTATACCCATTGCCGTCTGAAGTGCCTGGGGCCCTGC
CCAGCTCCAGGCCCTGGCCACAGGTGTCCCTTTGGCTGTGTGCTTGGCCAGCAGCT
GCCTGAGGACCCAGGGCAAGGCAGCAGCTCCGTGGAGTTTGACATGGTCAAGCTGGTGA
CTCCATGGGCTGGGAGCTGGCCTCTGTGCGGGCGGCTCTCTGCCAGCTGCAGTGGGACCA
CGAGCCCAGGACAGGTGTGCGGGTGGGACAGGGTGTGTGGAGTTCAGTGAAGTGGC
CTTCCACCTTCGAGCCCGGGGACCTGACCGCTGAGGAGAAGGACCAGATATGTGACTT
CCTCTATGGCCGTGTGCAGGCCCGGAGCGCCAGGCCCTGGCCCGTCTGCGCAGAACCTT
CCAGGCCTTTACAGCGTAGCCTTCCCCAGCTGCGGGCCCTGCCTGGAGCAGCAGGATGA
GGAGCGCAGCACCAGGCTCAAGGACCTGCTCGGCCGCTACTTTGAGGAAGAGGAAGGGCA
GGAGCCGGGAGGATGGAGGACGCACAGGGCCCCGAGCCAGGGCAGGCCAGACTCCAGGA
TTGGGAGGACCAGTCCGCTGCGACATCCGCCAGTTTCTGTCCCTGAGGCCAGAGGAGAA
GTTCTCCAGCAGGCTGTGGCCCGCATCTTCCAGGCATCGGAAGCCCCTGCTACCCGGC
CCAGGTGTACGGGAGGACCGGACGCTTCTGGAGAAAATACCTGCACCTGAGCTTCCATGC
CCTGGTGGGCTGGCCACGGAAGAGCTCCTGCAGGTGGCCCGTACTGCACTGCATTGG
GGGATGTGCGGTAGAGCTGGGGTTGTGAGAGGCTAGGGCAGTACTGAGGACCTGGGCAA
AACCTGCCACAGGGTGTGGGAACGAGGAGGCTCCAAAATGCAGAATAAAAAATGCTCACT
TTGTTTTTATGGGAAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC013277 unedited CAAATTTTGTATACGACTCACTATAGGGCGGACCGGAATTCGCACGAGGCTCGGNGCAT GACCAGGAAGCAACGGGAATCTGTCCTGCAGAAGATTCGGGCAGCCCAGGTACACGTGCT GATGCTGACACCTGAGGCACTGGTGGGGCGGGAGGCCTCCCTCCAGCCGACAGCTGCC TCCAGTTGCTTTTGCCTGCATTGATGAGGCCACTGCCTCTCCCAGTGGTCCCACAATT CCGGCCCTGCTACCTGCGCGTCTGCAAGGTGCTTCGGGAGCGCATGGGCGTGCAGTCTT CCTGGCCCTCACAGCCACAGCCACAGCCGCACTGCCAGTGACGTGGCACAGCACAGTGGC TGTGGCTGAAGAGCCTGACCTCCACGGGCCAGCCCAGTTCACCAACCTGCACCTTTC CGTGCCATGGACAGGGACACAGACCAGGCACTGTTGACGCTGCTGCAAGGCAAACGTTT TCAAAACCTCGATTCCATTATCATTACTGCAACCGGCGGAGGACACAGAGCGGATCGC TGCGCTCTCCGAACCTGCCTGCACGCAGCCTGGGTCCCAGGGTCTGGAGGTCGTGCCCC CAAAACCACAGCCGANGCCTACCACGNCGGCATGTGCAGCCGGAAACGGCGGGNTACA GCGAGCCTTCATGCANGGCCAGTTGCGGGTGGTGGCCACGGTGGCCCTTGGATGGGCT GGACCGCCAGAGTGGGCTGTGCTGATCTGGGCTGCCCCAGCTTCAGACTACTGCAGGCG TGGGCCGNCNGGCTGACGGCAGCCTGCCACTGCACTCTCTGAGCCAGCGGAAGACTG CCAAACTGCCANACTGTGCCGCCGACGCACGACTCCCTGCTGGTAAAGCTGTACANGCGT GTTTCAGCTGGACTGGCCTGGACAAGCCC
Restriction Sites:	Please inquire
ACCN:	BC013277
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:	<ol style="list-style-type: none">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:	BC013277.2 , AAH13277.2
RefSeq Size:	2137 bp
Locus ID:	9401
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	The protein encoded by this gene is a DNA helicase that belongs to the RecQ helicase family. DNA helicases unwind double-stranded DNA into single-stranded DNAs and may modulate chromosome segregation. This gene is predominantly expressed in thymus and testis. Mutations in this gene are associated with Rothmund-Thomson, RAPADILINO and Baller-Gerold syndromes. [provided by RefSeq, Jan 2010]