

Product datasheet for **RC217937**

RECQL5 (NM_001003715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQL5 (NM_001003715) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RECQL5
Synonyms:	RECQ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC217937 representing NM_001003715
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAGCCACCATAACCACCTTCTTTGACCTGAGCGGCGAGTCCGGAGTACGCTGAAGAAGGTCT
 TTGGGTTTGACTCTTTAAGACGCCTTTACAGGAGAGTGCACCATGGCTGTAGTAAAAGGTAACAAGGA
 CGTCTTTGTGTGCATGCCACAGGGGCAGAAAATCCCTATGCTATCAGCTCCCTGCTCTGTTGGCCAAA
 GGCATCACCATTGTAGTCTCTCCTCATTGCTTTGATTACAGGACCAAGTGGACCACTTGCTAACCTAA
 AGGTACGAGTAAGTTCCTGAACCGAAGCTCTGCACAGGAAAGGAAGGAGCTGCTTGCTGACCTGGA
 GCGAGAAAAGCCCGACCAAGATTCTGTACATCACCCAGAGATGGCAGCTTCATCCTCCTCCAGCCC
 ACCCTGAACCTCCCTGGTGTCCCGCCACCTGCTGTCTTACTTGGTGGTGGATGAAGCTCATTGTGTTTCCC
 AATGGGGGCATGACTTTCTGCTGACTACTTGCCTGCTGGGTGCCCTCGCTCCCGCTGGGACATGCCCC
 TTGTGTGGCTCTGACCGCCACAGCCACCCACAGGTCCAAGAGGACGTGTTTGTGCCCTGCACCTGAAG
 AAACAGTTGCCATCTTCAAGACTCCCTGCTTCCGGGCCAACCTCTTCTATGATGTGCAATTCAAGGAAC
 TGATTTCTGATCCCTATGGGAACCTGAAGGACTTCTGCCTAAGGCTCTTGGACAGGAGGCTGATAAAGG
 GTTATCTGGTGCAGCATTGTGTACTGCAGGACTAGAGAGGCTTGTGAACAGCTGGCCATAGAGCTCAGC
 TGCAGGGGTGTGAACGCCAAGGCTTACCATGCAGGGCTGAAGGCCTCTGAAAGAACGCTGGTGCAGAACG
 ACTGGATGGAGGAGAAGTCCCTGTAATTGTTGCAACCATTAGTTTTGGGATGGGAGTGGATAAAGCCAA
 TGTCAGGTTTGTGCGCCATTGGAATATTGCCAAGTCTATGGCTGGTACTACCAGGAGTCTGGCCGGGT
 GGCAGGGATGGGAAGCCTTCTGGTCCGCTCTCTATTACTCCAGGAATGACCGGGACCAAGTCAAGTCTCC
 TGATCAGGAAGGAAGTAGCAAACTCCAGGAAAAGAGAGGAAACAAAGCATCTGATAAAGCCACTATCAT
 GGCTTTGATGCCCTGGTGACCTTCTGTGAAGAAGTGGGGCATGGGGCAGGGGCCACGGAAGAGTCTG
 AGGGCTGCTTGGTGTAGTCAGGTTGTGTCCAGGCATGCGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217937 representing NM_001003715
 Red=Cloning site Green=Tags(s)

MSSHHTTFPDPERRVRSTLKKVFGFDSFKTPLQESATMAVVKGNKDVFCMPTGAGKSLCYQLPALLAK
 GITIVVSPLIALIQDQVDHLLTLKVRVSSLNSKLSAQERKELLADLEREPQTKILYITPEMAASSSFQP
 TLNSLVSRLHLLSYLVDEAHCVSQWGHDFRPDYLRGALRSRLGHAPCVALTATATPQVQEDVFAALHLK
 KPVAIFKTPCFRANLFYDVQFKELISDPYGNLKDCLKALGQEADKGLSGCGIVYCRTREACEQLAIELS
 CRGVNAKAYHAGLKASERTLVQNDWMEEKVPVIVATISFGMGVDKANVRFVAHWNIAKSMAGYYQESGRA
 GRDGKPSWCRLYYSRNDRDQVSFLIRKEVAKLQEKRGNKASDKATIMAFDALVTFCEELGRWGRGHGKSL
 RAAWCSQVSRHAEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8059_g02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001003715

ORF Size: 1305 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001003715.4](#)

RefSeq Size: 3243 bp

RefSeq ORF: 1308 bp

Locus ID: 9400

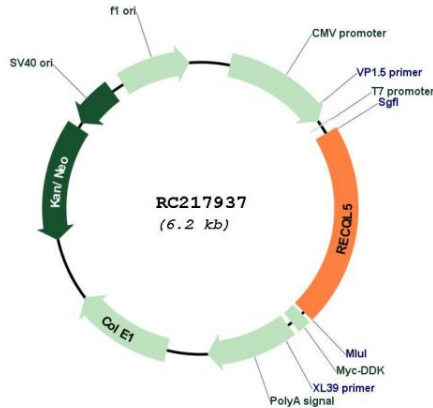
UniProt ID: [O94762](#)

Cytogenetics: 17q25.1

MW: 48.3 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]

Product images:



Circular map for RC217937