

Product datasheet for SC300533

RECQL5 (NM_001003716) Human Untagged Clone

Product data:

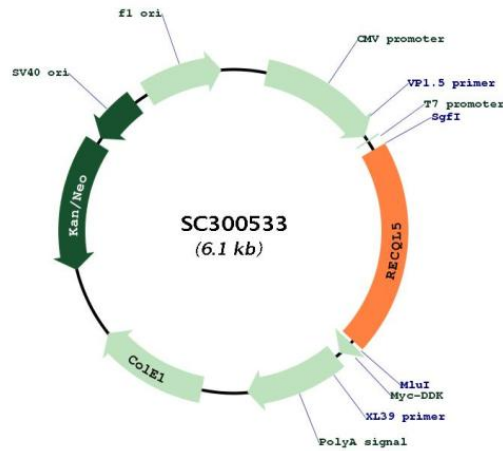
Product Type:	Expression Plasmids
Product Name:	RECQL5 (NM_001003716) Human Untagged Clone
Tag:	Tag Free
Symbol:	RECQL5
Synonyms:	RECQ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300533 representing NM_001003716. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAGCCACCATACCACCTTCTCTTTGACCTGAGCGGCGAGTCCGGAGTACGCTGAAGAAGGTC
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CAGCCACCTGAACTCCCTGGTGTCCCGCCACCTGCTGTCTTACTTGGTGGTGGATGAAGCTCATTGT
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GCTGATAAAGGGTATCTGGCTGCGCATTGTGTACTGCAGGACTAGAGAGGCTTGTGAACAGCTGGCC
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GACCAAGTCAAGTCTGATCAGGAAGGAGTAGCAAACTCCAGGAAAAGAGAGGAAACAAGCATCT
GATAAAGCCACTATCATGGCCTTTGATGCCCTGGTGACCTTCTGTGAAGAAGTGGGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001003716

Insert Size: 1233 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_001003716.3](#)

RefSeq Size: 2911 bp

RefSeq ORF: 1233 bp

Locus ID: 9400

UniProt ID: [O94762](#)

Cytogenetics: 17q25.1

MW: 45.7 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 (3), also known as RecQ5-alpha, differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) is shorter at the C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.