

Product datasheet for **RG216761**

RECQL5 (NM_001003716) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECQL5 (NM_001003716) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RECQL5
Synonyms:	RECQ5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216761 representing NM_001003716 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCCACCATAACCACCTTTCCTTTTGACCCTGAGCGGCGAGTCCGGAGTACGCTGAAGAAGGTCT
TTGGGTTTGACTCTTTAAAGACGCCTTTACAGGAGAGTGCACCATGGCTGTAGTAAAAGGTAACAAGGA
CGTCTTTGTGTGCATGCCACAGGGCAGGAAAATCCCTATGCTATCAGCTCCCTGCTCTGTTGGCCAAA
GGCATCACCATTGTAGTCTCCTCTCATTGCTTTGATTGAGGACCAAGTGGACCACTTGTAAACCTAA
AGGTACGAGTAAGTTCCTGAAGTCTGCAAGTCTCTGCACAGGAAAGGAGGAGTCTTGTGACCTGGA
GCGAGAAAAGCCCGAGACCAAGATTCTGTACATACCCCGAGAGATGGCAGCTTCACTCCTCCAGCCC
ACCTGAAGTCCCTGGTGTCCCGCCACCTGCTGTCTTACTTGGTGGTGGATGAAGCTCATTGTGTTTCCC
AATGGGGGCATGACTTTTCGTCCTGACTACTTGCCTGCTGGGTGCCCTGCGCTCCCGCTGGGACATGCCCC
TTGTGTGGCTCTGACCGCCACAGCCACCCACAGGTCCAAGAGGACGTGTTTGTGCCCCTGCACCTGAAG
AAACAGTTGCCATCTCAAGACTCCCTGCTCCGGGCCAACCTCTTCTATGATGTGCAATTCAGGAAC
TGATTTCTGATCCCTATGGGAACCTGAAGGACTTCTGCCTAAGGCTCTGGACAGGAGGCTGATAAAGG
GTTATCTGGCTGCGGCATTGTGTACTGCAGGACTAGAGAGGCTTGTGAACAGCTGGCCATAGAGCTCAGC
TGCAGGGGTGTGAACGCCAAGGCTTACCATGCAGGGCTGAAGGCCTCTGAAAGAAGCCTGGTGCAGAACG
ACTGGATGGAGGAGAAGTCCCTGTAATTGTTGCAACCATTAGTTTTGGGATGGGAGTGGATAAAGCCAA
TGTCAGGTTTGTGCGCCATTGGAATATTGCCAAGTCTATGGCTGGTACTACCAGGAGTCTGCGCGGCT
GGCAGGGATGGGAAGCCTTCTGGTGCCGCTCTCTATTACTCCAGGAATGACCGGGACCAAGTCAAGCTTCC
TGATCAGGAAGGAGTAGCAAACTCCAGGAAAAGAGAGGAAACAAGCATCTGATAAAGCCACTATCAT
GGCCTTTGATGCCCTGGTACCTTCTGTGAAGAACTGGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >RG216761 representing NM_001003716
Red=Cloning site Green=Tags(s)

MSSHHTTFPFDPERRVSTLKKVFGFDSFKTPLQESATMAVVKGNKDVFCMPTGAGKSLCYQLPALLAK
 GITIVVSPLIALIQDQVDHLLTLKVRVSSLNSKLSAQERKELLADLEREPQTKILYITPEMAASSSFQP
 TLNSLVSRLHLLSYLVVDEAHCVSQWGHDFRPDYLRGALRSRLGHAPCVALTATATPQVQEDVFAALHLK
 KPVAIFKTPCFRANLFYDVQFKELISDPYGNLKDCLKALGQEADKGLSGCGIVYCRTREACEQLAIELS
 CRGVNAKAYHAGLKASERTLVQNDWMEEEKVPVIVATISFGMGVDKANVRFVAHWNIAKSMAGYYQESGRA
 GRDGKPSWCRLYYSRNDRDQVSFLIRKEVAKLQEKRGNKASDKATIMAFDALVTFCEELG

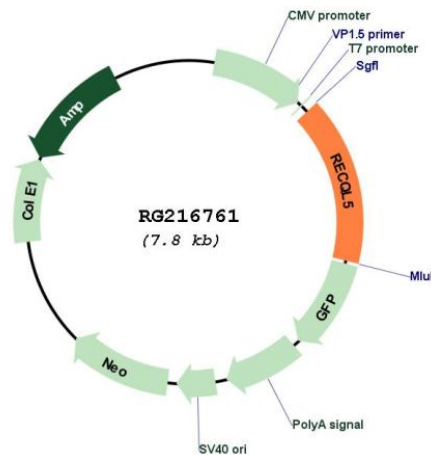
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001003716

ORF Size:	1230 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:	<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:	NM_001003716.4
RefSeq Size:	3710 bp
RefSeq ORF:	1233 bp
Locus ID:	9400
UniProt ID:	O94762
Cytogenetics:	17q25.1
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]