

Product datasheet for **SC110173**

RCL (DNPH1) (NM_006443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCL (DNPH1) (NM_006443) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCL
Synonyms:	C6orf108; dj330M21.3; RCL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110173 sequence for NM_006443 edited (data generated by NextGen Sequencing)

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ATGGCTGCTGCCATGGTGCCGGGGCGCAGCGAGAGCTGGGAGCGCGGGGAGCCTGGCCGC  
CCGGCCCTGTACTTCTGCGGGAGCATTTCGCGGCGGACGCGAGGACAGGACGCTGTACGAG  
CGGATCGTGTCTCGGCTGCGGCGATTTCGGGACAGTGCTCACCGAGCACGTGGCGGCCGCC  
GAGCTGGGCGCGCGGGGAAGAGGCTGCTGGGGTGACAGGCTCATCCATGAGCAGGAC  
CTGGAGTGGCTGCAGCAGGCGGACGTGGTCTGGCAGAAGTGACACAGCCATCCTTGGGT  
GTAGGCTATGAGCTGGGCCGGCCGTGGCCTTTAAACAAGCGGATCCTGTGCCTGTTCCGC  
CCGCAGTCTGGCCGCGTGTTCGGCCATGATCCGGGGAGCAGCAGATGGCTCTCGGTTCC  
CAGGTGTGGGACTATGAGGAGGGAGAGGTGGAGGCCCTGCTGGATCGATACTTCGAGGCT  
GATCCTCCAGGCGAGGTGGCTGCCTCCCCTGACCCAACCACTTGA
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Clone variation with respect to NM_006443.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006443 unedited GGGTTACGNATTTTGTATACGACTCATATAGCGGCNCGCGATTTCGGCACGAGGCGGGGC GCTGGGAATGGCTGCTGCCATGGTGCCGGGGCGCAGCGAGAGCTGGGAGCGGGGAGC CTGGCCGCCCGGCCCTGTACTTCTGCGGGAGCATTTCGGCGGACGCGAGGACAGGACGC TGTACGAGCGGATCGTGTCTCGGCTGCGGCGATTTCGGGACAGTGTCCACCGAGCACGTGG CGGCCCGCAGCTGGGCGCGCGGGGAAGAGGCTGCTGGGGGTGACAGGCTCATCCATG AGCAGGACCTGGAGTGGCTGCAGCAGGCGGACGTGGTCTGGCAGAAGTGACACAGCCAT CCTTGGGTGTAGCTATGAGCTGGGCGGGCCGTGGCCTTTAACAAAGCGATCCTGTGCC TGTTCCGCCCGCAGTCTGGCCGCGTCTTTCGGCCATGATCCGGGGAGCAGCAGATGGCT CTCGGTTCCAGGTGTGGGACTATGAGGAGGGAGAGGTGGAGGCCCTGCTGGATCGATACT TCGAGGCTGATCCTCCAGGGCAGGTGGCTGCCTCCCTGACCCAACCACTTGACTTAATC TCACTTTCTAAATTTCTTCTATTTTCAGACACTGCTCTAGTACCATTCTTCTCTTAGC CCCAGGAGCAAATTAAGGTACAGCTAAAATCCCTAAAAAANTNAACTCTTCTC TCACAATAATCCTAACTAAATTTCAAAAACCTAAACAAAATAAAAACTCGAGCTCTAA ATTGCGGCGCGGCCATAACTTGTTCCTGAACATATCCCGGCGGCATCCCTGTGAACC CCTCCCAAGGCCTTCTCGCCCTGAAAGTGGCACCTCAAGCCCCACCAACCTTGCC TAAAAATCAAGGTGGCTCCCTTTGCCCGA
Restriction Sites:	NotI-NotI
ACCN:	NM_006443
Insert Size:	500 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).
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:	<u>NM_006443.2</u> , <u>NP_006434.1</u>
RefSeq Size:	662 bp
RefSeq ORF:	525 bp
Locus ID:	10591
UniProt ID:	<u>O43598</u>
Cytogenetics:	6p21.1
Domains:	Nuc_deoxyrib_tr

Gene Summary:

This gene was identified on the basis of its stimulation by c-Myc protein. The latter is a transcription factor that participates in the regulation of cell proliferation, differentiation, and apoptosis. The exact function of this gene is not known but studies in rat suggest a role in cellular proliferation and c-Myc-mediated transformation. Two alternative transcripts encoding different proteins have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).