

Product datasheet for SC307891

RCL (DNPH1) (NM_199184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCL (DNPH1) (NM_199184) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCL
Synonyms:	C6orf108; dj330M21.3; RCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307891 representing NM_199184. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTGCTGCCATGGTCCGGGGCGCAGCGAGAGCTGGGAGCGCGGGGAGCCTGGCCGCCCGGCCCTG
TACTTCTCGGGAGCATTCCGGCGGACCGCAGGACGAGCTGTACGAGCGGATCGTGTCTCGGCTG
CGGCGATTCGGGACAGTCTCACCGAGCACGTGGCGGCCCGGAGCTGGGCGCGCGGGGAAGAGGCT
GCTGGGGTGACAGGCTCATCCATGAGCAGGACCTGGAGTGGCTGCAGCAGGCGGACGTGGTCGTGGCA
GAAGTGACACAGCCATCCTTGGGTGTAGGCTATGAGCTGGGCCGGCCGTGGCCTTAACAAGCGGATC
CTGTGCCTGTTCCGCCCGAGTCTGGCCGGGTGAGCACCCCAAGCCTCCCTCCTGGCTTCTATGGAC
CCAGCCCTCAGCTCCTTCCTGGTGGGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_199184
Insert Size:	447 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).



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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:	<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_199184.1</u>
RefSeq Size:	813 bp
RefSeq ORF:	447 bp
Locus ID:	10591
UniProt ID:	<u>O43598</u>
Cytogenetics:	6p21.1
MW:	16.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) includes an additional segment in the 3' coding region, compared to variant 1, that causes a frameshift. The resulting protein (isoform 2) has a shorter and distinct C-terminus, compared to isoform 1.</p>