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Product datasheet for SC116739

RQCD1 (CNOT9) (NM_005444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RQCD1 (CNOT9) (NM_005444) Human Untagged Clone
Tag:	Tag Free
Symbol:	RQCD1
Synonyms:	CAF40; CT129; RCD-1; RCD1; RQCD1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005444, the custom clone sequence may differ by one or more nucleotides

ATGCACAGCCTGGCGACGGCTGCGCCTGTGCCTACTACACTGGCACAAGTGGATAGAGAAAAGATCTATC
AGTGGATCAATGAGCTGTCCAGTCCTGAGACTAGGGAAAATGCTTTGCTGGAGCTAAGTAAGAAGCGAGA
ATCTGTTCCTGACCTTGCACCCATGCTGTGGCATTCATTTGGTACTATTGCAGCACTTTTACAGGAAATT
GTAAATATTTATCCATCTATCAACCCACCCACCTTGACAGCACACCAGTCTAACAGAGTTTGCAATGCTC
TGGCATTACTGCAATGTGTAGCATCACATCCAGAAACCAGGTCAGCGTTTCTCGCAGCACACATCCCACT
TTTTTTGTACCCCTTTTTGCACACTGTCAGCAAAACACGTCCCTTTGAGTATCTCCGGCTCACCAGCCTT
GGAGTTATTGGGGCCCTGGTGAAAACAGATGAACAAGAAGTAATCAACTTTTTATTAACAACAGAAATTA
TCCCTTTATGTTTGCGAATTATGGAATCTGGAAGTGAACTTTCTAAAACAGTTGCCACATTCATCCTCCA
GAAGATCTTGTTAGATGACACTGGTTTGGCTTATATATGTCAGACGTATGAGCGTTTCTCCCATGTTGCC
ATGATCTTGGGTAAGATGGTCCTGCAGCTATCCAAAGAGCCTTCTGCCCGTCTGCTGAAGCATGTAGTGA
GATGTTACCTTCGACTTTCAGATAACCCCAGGGCACGTGAAGCACTCAGACAGTGCCTCCCTGACCAGCT
GAAAGACACAACCTTCGCCCAGGTGCTAAAAGATGACACCACCACGAAACGCTGGCTTGCACAACTGGTG
AAGAACCTGCAAGAGGGCCAGGTCACCGATCCCCGGGGTATCCCCCTGCCCCCTCAGTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005444 unedited
AGCATTTTGTATACGACTCACTTATAGGGCGGCCGCGATTCGGCACGAGGGCGAGCCGGA
GTCGGATGGCGGCTACGGCGGCTCATTGTTTTCCGCTGCAGGGGTGCTGAAGCGGGGACG
CGGGTCGGACGCGTCCGGCTGTGGAAGAGAGCGGCGGCCGCTCACAACATGCACAGCCTG
GCGACGGCTGCGCCTGTGCCTACTACACTGGCACAAGTGGATAGAGAAAAGATCTATCAG
TGGATCAATGAGCTGTCCAGTCCTGAGACTAGGGAAAATGCTTTGCTGGAGCTAAGTAAG
AAGCGAGAATCTGTTCCTGACCTTGCACCCATGCTGTGGCATTCATTTGGTACTATTGCA
GCACTTTTACAGGAAATTGTAAATATTTATCCATCTATCAACCCACCCACCTTGACAGCA
CACCAGTCTAACAGAGTTTGCAATGCTCTGGCATTACTGCAATGTGTAGCATCACATCCA
GAAACCAGGTCAGCGTTTCTCGCAGCACACATCCCACTTTTTTTGTACCCCTTTTTGCAC
ACTGTCAGCAAAACACGTCCCTTTGAGTATCTCCGGCTCACCAGCCTTGGAGTTATTGGG
GCCCTGGTGAAAACAGATGAACAAGAAGTAATCAACTTTTTATTAACAACAGAAATTATC
CCTTTATGTTTGCGAATTATGGAATCTGGAAGTGAACTTTCTAAAACAGTTGCCACATTC
ATCCTCCAGAAGATCTTGTTAGATGACACTGGTTTGGCTTATATATGTCAGACGTATGAG
CGTTTCTCCCATGTTGCCATGATCTTGGGTAAGAAGGTCCTGCAGCTATCCAAAGAGCCT
TCTGCCCGTCTGCTGAAGCATGTAGTGAGATGTTACCTTNCGACTNTCAGATACCCCAGG
CACCGTGAGCACTCAGACAGTGCCTCCCTGACAGCTNGAAGACCAACCTCG
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Restriction Sites: NotI-NotI

ACCN: NM_005444

Insert Size: 1740 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:
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_005444.1, NP_005435.1

RefSeq Size: 900 bp

RefSeq ORF: 900 bp

Locus ID: 9125

UniProt ID: Q92600

Cytogenetics: 2q35

Domains: Rcd1

Protein Pathways: RNA degradation

Gene Summary: This gene encodes a member of the highly conserved RCD1 protein family. The encoded protein is a transcriptional cofactor and a core protein of the CCR4-NOT complex. It may be involved in signal transduction as well as retinoic acid-regulated cell differentiation and development. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Oct 2012]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 2 which is shorter 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.