

Product datasheet for **SC325021**

RTCD1 (RTCA) (NM_001130841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTCD1 (RTCA) (NM_001130841) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTCD1
Synonyms:	RPC; RTC1; RTCD1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130841, the custom clone sequence may differ by one or more nucleotides <pre> ATGGCGGGGCGCGGGTGGAGGTCGATGGCAGCATCATGGAAGGGGCGGCCAGATCCTG AGAGTCTCTACGGCCTTGAGCTGTCTCCTAGGCCTCCCCTTGCGGGTGCAGAAGATCCGA GCCGGCCGGAGCAGCCAGGCCTGAGTTCTGGAGGCTGGAAGTCCAAGATCAAGGTCCTG ACAAGGCCTCAACATTTATCTGGACTGGAAATGATTCGAGATTTGTGTGATGGGCAACTG GAGGGGGCAGAAATTGGCTCAACAGAAATAACCTTTACACCAGAGAAGATCAAAGGTGGA ATCCACACAGCAGATACCAAGACAGCAGGGAGTGTGTGCCTCTTGATGCAGGTCTCAATG CCGTGTGTTCTCTTTGCTGCTTCTCCATCAGAACTTCATTTGAAAGGTGGAATAATGCT GAAATGGCACCACAGATCGATTATACAGTGATGGTCTTCAAGCCAATTGTTGAAAAATTT GGTTTCATATTTAATTGTGACATTAACAAGGGGATATTACCCAAAAGGGGGTGGTGAA GTGATTGTTTGAATGTCACCAAGTTAAACAATTGAACCTATAAATTTAACTGAGCGTGGC TGTGTGACTAAGATATATGGAAGAGCTTTCGTTGCTGGTGTGTTTGCCATTTAAAGTAGCA AAAGATATGGCAGCGGCAGCAGTTAGATGCATCAGAAAGGAGATCCGGGATTTGTATGTT AACATCCAGCCTGTTCAAGAACCTAAAGACCAAGCATTGGCAATGGAATGGAATAATA ATTATTGCTGAGACCTCCACTGGCTGTTTGTGTTGCTGGATCATCGCTTGGTAAACGAGGT GTAAATGCAGACAAAGTTGGAATTGAAGCTGCCGAAATGCTATTAGCAATCTTAGACAT GGTGGTACTGTGGATGAGTATCTGCAAGACCAGCTGATTGTTTTATGGCATTAGCCAAT GGAGTTTCCAGAATAAAAAACAGGACCAGTTACACTCCATACGCAAAACCGGATACATTTT GCTGAACAAATAGCAAAGGCTAAATTTATTGTGAAGAAATCAGAAGATGAAGAAGACGCC GCTAAAGATACTTATATTATTGAATGCCAAGGAATTGGGATGACAAATCCAAATCTA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001130841
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:	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_001130841.1</u> , <u>NP_001124313.1</u>
RefSeq Size:	2634 bp
RefSeq ORF:	1140 bp
Locus ID:	8634
UniProt ID:	<u>O00442</u>
Cytogenetics:	1p21.2
Gene Summary:	This gene encodes a member of the RNA 3'-phosphate cyclase family. The encoded protein plays a role in RNA metabolism by catalyzing the ATP-dependent conversion of the 3'-phosphate of RNA substrates to a 2',3'-cyclic phosphodiester. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).