

Product datasheet for **RG232501**

RQCD1 (CNOT9) (NM_001271634) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RQCD1 (CNOT9) (NM_001271634) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CNOT9
Synonyms: CAF40; CT129; RCD-1; RCD1; RQCD1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232501 representing NM_001271634
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACAGCCTGGCGACGGCTGCGCCTGTGCCTACTACACTGGCACAAGTGGATAGAGAAAAGATCTATC
AGTGGATCAATGAGCTGTCCAGTCTGAGACTAGGAAAATGCTTTGCTGGAGCTAAGTAAGAAGCGAGA
ATCTGTTCTGACCTTGACCCATGCTGTGGCATTCAATTTGGTACTATTGCAGCACTTTTACAGGAAATT
GTAATATTTATCCATCTATCAACCCACCCACCTTGACAGCACACCAGTCTAACAGAGTTTGCAATGCTC
TGGCATTACTGCAATGTGTAGCATCACATCCAGAAACCAGGTGAGCGTTTCTCGCAGCACACATCCCACT
TTTTTTGTACCCCTTTTGCACACTGTCAGCAAAACACGTCCTTTGAGTATCTCCGGCTCACAGCCTT
GGAGTTATTGTAGAGACGGGTTTACCATGTTGGCCAGGCTGATCTTGAACCTCCGACCTCAAGTGATC
TGCCCCGCTCGGCCTCCCAAAGTGTGGGATTACAGGGGCCCTGGTAAAAACAGATGAACAAGAAGTAAT
CAACTTTTATTAACAACAGAAATTATCCCTTTATGTTTGCGAATTATGGAATCTGGAAGTGAACCTTCT
AAAACAGTTGCCACATTCATCCTCCAGAAGATCTGTTAGATGACACTGGTTTGGCTTATATATGTCAGA
CGTATGAGCGTTTCTCCCATGTTGCCATGATCTTGGGTAAGATGGTCTGCAGCTATCCAAGAGCCTTC
TGCCCCGTCTGTAAGCATGTAGTGAGATGTTACCTTCGACTTTCAGATAACCCAGGGCACGTGAAGCA
CTCAGACAGTGCCTCCCTGACCAGCTGAAAGACACAACCTTCGCCAGGTGCTAAAAGATGACACCACCA
CGAAACGCTGGCTTGCACAACTGGTGAAGAACCTGCAAGAGGGCCAGGTACCCGATCCCCGGGTATCCC
CCTGCCCCCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232501 representing NM_001271634
 Red=Cloning site Green=Tags(s)

MHSLATAAPVPTTLAQVDREKIYQWINESSPETRENALLELSKKRESVPDLAPMLWHSFGTIAALLQEI
 VNIYPSINPPTLTAHQSNRVCNALALLQCVASHPETRSAFLAAHIPLFLYPFLHTVSKTRPFEYLRRLTSL
 GVIVETGFHHVGGQADLELPTSSDLPASASQSAGITGALVKTDEQEVINFLTTTEIIPCLLRIMESGSELS
 KTVATFILQKILLDDTGLAYICQTYERF SHVAMILGKMLVQLSKEPSARLLKHVVRCYLRLSDNPRAREA
 LRQCLPDQLKDTTFAQVLKDDTTTKRWLAQLVKNLQEQVTDPRGIPLPPQ

TRTRPLE - GFP Tag - V

Restriction Sites:

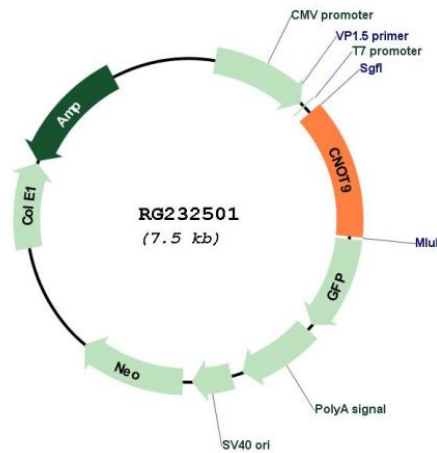
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001271634

ORF Size: 993 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_001271634.2
RefSeq Size:	3530 bp
RefSeq ORF:	996 bp
Locus ID:	9125
UniProt ID:	Q92600
Cytogenetics:	2q35
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]