

## Product datasheet for **RG203993**

### **CORO2A (NM\_052820) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CORO2A (NM_052820) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CORO2A
Synonyms:	CLIPINB; IR10; WDR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG203993 representing NM\_052820  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCATGGCACCCAGTACCGGAGCTCCAAGTTCGGTTCATGTCTTTGGCAAACAGCCAGCAAGGAGA  
 ACTGCTACGACTCCGTGCCTATCACCCGACGCTTACAGACAACCACTTCTGTGCCGTGAACCCCACTT  
 CATTGCAGTTGTGACTGAGTGTGCTGGTGGAGGGCCTTCTCGTCATCCCCCTGCACCAGACAGGGAAG  
 TTGGACCCCACTACCAAAAAGTCTGCGGGCACAGAGGCAACGTTTTGGATGTCAAGTGGAAACCTTTTG  
 ATGATTTTGGATCGCTCCTGTCTGAAGATGCCACAATTAAGATCTGGAGCATCCCCAAGCAGCTGCT  
 GACCAGGAACCTCACGGCTACAGGAAGAACTCGTGGGCCACGCGCAGAGTAGGCTGGTGGAGTGG  
 CACCCACGGCCCAACATCCTCTTCAAGTGTGCTATGACTACAAGGTGATGATCTGGAACCTGGATA  
 CAAAGGAGTCTGTCATCACAAGCCCATGAGTACAATTAGCTGTACCAAGATGTGATCCTCTCCATGTC  
 CTTCAACACCAACGGCAGCCTGTTGGCCACCACCTGCAAAGACCGCAAGATTCGGGTTATTGACCCCGA  
 GCAGGGACCGTCTCCAGGAGGCCAGCTACAAAGGGCACCGGGCCAGCAAAGTGCTGTTTCTGGGGAACC  
 TGAAGAAGCTGATGTCCACAGGCACATCCCGATGGAACAACCGGCAGGTGGCCTTGTGGGACCAGGATAA  
 CCTCTCTGTGCCTCTGATGGAGGAGACCTGGACGGCTCCTCGGGCGTGTGTTCCCTTCTATGACGCG  
 GACACCAGCATGCTCTACGTGGTGGGAAGGGAGATGGCAACATCCGCTACTACGAGGTGAGCGCCGACA  
 AGCCTCACCTGAGCTACCTGACTGAGTACCGCTCCTATAACCCACAGAAGGGGATCGGTGTATGCCAAA  
 GAGAGGACTCGACGTGCTCCTCTGCGAGATCTCCGCTTCTACAAGCTGATCACAACCAAAAGCCTCATC  
 GAGCCCATCTCCATGATTGTGCCCGGGCGGTGAGAATCTACCAAGAGGACATATACCCCAACAGCAGC  
 GGGCCACGCCCTCCCTGACGGCCAGGAGTGGCTCAGCGGGATGAATCGAGACCAATCCTGGTGTCCCT  
 TAGGCCTGGCTCTGAGCTGCTGAGACCCACCCACTGCCTGCAGAGAGACCTATCTTCAATTCATGGCC  
 CCAGCCTCACCCGGCTCTTGAATCAGACAGAAAAGCTGGCTGCAGAAAGTGGCTGGAGGTCTTCTCCC  
 TGTGGAGGAGAAGATGCCAAGGTGGGACGAGAACACAGGCTGGAGGAGAAGAAAACCTGGCTGACAAA  
 TGGCTTTGACGTTTTGAAATGCCCCCAACAAAGACAGAGAATGAGTTGCTGCAGATGTTCTACCGCAA  
 CAGGAGGAGATCCGAAGGCTCCGGGAGCTGTTGACCCAGCGAGAGGTCCAGGCCAAACAGTTGGAAGTGG  
 AGATCAAAAACCTGCGGATGGGCTCAGAGCAGCTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG203993 representing NM\_052820  
 Red=Cloning site Green=Tags(s)

MSWHPQYRSSKFRHVFVKPASKENCYDSVPITRSVHDNHFCAVNPHFIAVVTECAGGGAFLVIPLHQTGK  
 LDPHYPKVCGHRGNVLDVKWNPFDDEIASCSEDATIKIWSIPKQLLTRNLTA YRKELVGHARRVGLVEW  
 HPTAANILFSAGYDYKVMIWNLDTKESVITSPMSTISCHQDVILSMSFNTNGSLLATTCKDRKIRVIDPR  
 AGTVLQEAASYKGRHASKVFLGKLNKLMSTGTSRWNNRQVALWDQDNLVPLMEEDLDGSSGVLFPFYDA  
 DTSMLYVVGKGDGNIRYYEVSADKPHLSYLTEYRSYNPQKIGVMPKRGLDVSSCEIFRFYKLITTKSLI  
 EPISMIVPRRSESYQEDIYPPTAGAQPSLTAQEWL SGMNRDPILVSLRPGSELLRPHPLAERPFI NSMA  
 PASPRLLNQTEKLAEDGWRSSLLLEKMPRWAAEHRLEEKKTWLTNGFDVFECPPPKTENELLQMFYRQ  
 QEEIRRLRELLTQREVQAKQLELEIKNLRMGSEQL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_052820

ORF Size: 1575 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:

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\\_052820.2](#), [NP\\_438171.1](#)

RefSeq Size: 2265 bp

RefSeq ORF: 1578 bp

Locus ID: 7464

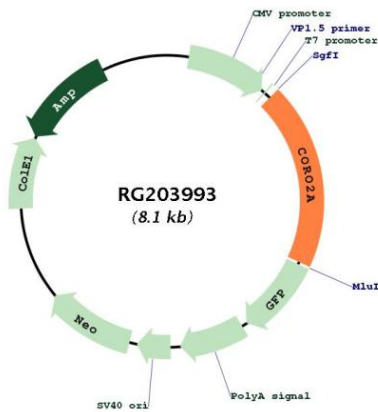
UniProt ID: [Q92828](#)

Cytogenetics: 9q22.33

**Domains:** WD40

**Gene Summary:** This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 5 WD repeats, and has a structural similarity with actin-binding proteins: the *D. discoideum* coronin and the human p57 protein, suggesting that this protein may also be an actin-binding protein that regulates cell motility. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG203993