

Product datasheet for **RG200403**

CORO2A (NM_003389) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CORO2A (NM_003389) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG200403 representing NM_003389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGGCACCACCCAGTACCGGAGCTCCAAGTTCGGTCATGTCTTTGGCAAACAGCCAGCAAGGAGA
 ACTGCTACGACTCCGTGCCTATCACCCGACGCTTACAGACAACCACTTCTGTGCCGTGAACCCCACTT
 CATTGCAGTTGTGACTGAGTGTGCTGGTGGAGGGCCTTCTCGTCATCCCCCTGCACCAGACAGGGAAG
 TTGGACCCCACTACCAAAAAGTCTGCGGGCACAGAGGCAACGTTTTGGATGTCAAGTGGAAACCTTTTG
 ATGATTTTGGATCGCTCCTGTCTGAAGATGCCACAATTAAGATCTGGAGCATCCCCAAGCAGCTGCT
 GACCAGGAACCTCACGGCTACAGGAAGAACTCGTGGGCCACGCGCAGAGTAGGCTGGTGGAGTGG
 CACCCACGGCCCAACATCCTCTTCAAGTGTGCTATGACTACAAGGTGATGATCTGGAACCTGGATA
 CAAAGGAGTCTGTCATCACAAGCCCATGAGTACGATTAGCTGTACCAAGATGTGATCCTCTCCATGTC
 CTTCAACACCAACGGCAGCCTGTTGGCCACCACCTGCAAAGACCGCAAGATTCGGGTTATTGACCCCGA
 GCAGGGACCGTCTCCAGGAGGCCAGCTACAAAGGGCACCGGGCCAGCAAAGTGCTGTTTCTGGGGAACC
 TGAAGAAGCTGATGTCCACAGGCACATCCCGATGGAACAACCGGCAGGTGGCCTTGTGGGACCAGGATAA
 CCTCTCTGTGCCTCTGATGGAGGAGGACCTGGACGGCTCCTCGGGCGTGTGTTCCCTTCTATGACGCG
 GACACCAGCATGCTCTACGTGGTGGGAAGGGAGATGGCAACATCCGCTACTACGAGGTGAGCGCCGACA
 AGCCTCACCTGAGCTACCTGACTGAGTACCGCTCCTATAACCCACAGAAGGGGATCGGTGTATGCCAAA
 GAGAGGACTCGACGTGCTCCTCTGCGAGATCTCCGCTTCTACAAGCTGATCACAACCAAAAGCCTCATC
 GAGCCCATCTCCATGATTGTGCCCGGGCGGTGAGAATCTACCAAGAGGACATATACCCCAACAGCAG
 GGGCCACGCCCTCCCTGACGGCCAGGAGTGGCTCAGCGGGATGAATCGAGACCCAATCCTGGTGTCCCT
 TAGGCCTGGCTCTGAGCTGCTGAGACCCACCCACTGCCTGCAGAGAGACCTATCTTCAATTCATGGCC
 CCAGCCTCACCCGGCTCTTGAATCAGACAGAAAAGCTGGCTGCAGAAAGTGGCTGGAGGTCTTCTCCC
 TGTGGAGGAGAAGATGCCAAGGTGGGACGAGAACACAGGCTGGAGGAGAAGAAAACCTGGCTGACAAA
 TGGCTTTGACGTTTTGCAATGCCCCCAACAAAGACAGAGAATGAGTTGCTGCAGATGTTCTACCGCAA
 CAGGAGGAGATCCGAAGGCTCCGGGAGCTGTTGACCCAGCGAGAGGTCCAGGCCAAACAGTTGGAAGTGG
 AGATCAAAAACCTGCGGATGGGCTCAGAGCAGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200403 representing NM_003389
 Red=Cloning site Green=Tags(s)

MSWHPQYRSSKFRHVFVKPASKENCYDSVPITRSVHDNHFCAVNPHFIAVVTECAGGGAFLVIPLHQTGK
 LDPHYPKVCGHRGNVLDVKWNPFDFFEIASCEDATIKIWSIPKQLLTRNLTA YRKELVGHARRVGLVEW
 HPTAANILFSAGYDYKVMIWNLDTKESVITSPMSTISCHQDVILSMSFNTNGSLLATTCKDRKIRVIDPR
 AGTVLQEASYKGRHASKVFLGKLNKLMSTGTSRWNRRQVALWDQDNLVPLMEEDLDGSSGVLFPFYDA
 DTSMLYVVGKGDGNIRYYEVSADKPHLSYLTEYRSYNPQKIGVMPKRGLDVSSCEIFRFYKLITTKSLI
 EPISMIVPRRSESYQEDIYPPTAGAQPSLTAQEWL SGMNRDPILVSLRPGSELLRPHPLPAERPIFN SMA
 PASPRLLNQTEKLAEDGWRSSLLLEKMPRWAAEHRLEEKKTWLTNGFDVFECPPPKTENELLQMFYRQ
 QEEIRRLRELLTQREVQAKQLELEIKNLRMGSEQL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003389

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_003389.3](#)

RefSeq Size: 2427 bp

RefSeq ORF: 1578 bp

Locus ID: 7464

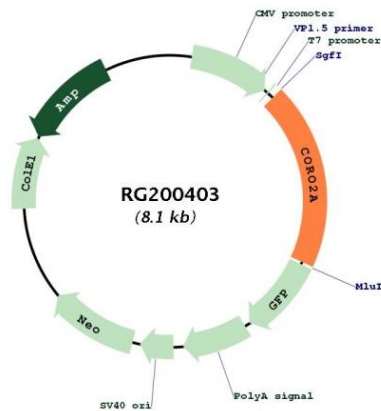
UniProt ID: [Q92828](#)

Cytogenetics: 9q22.33

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 RG200403