

## Product datasheet for **SC124661**

### **CORO2A (NM\_003389) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CORO2A (NM_003389) Human Untagged Clone
Tag:	Tag Free
Symbol:	CORO2A
Synonyms:	CLIPINB; IR10; WDR2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003389, the custom clone sequence may differ by one or more nucleotides

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ATGTCATGGCACCCAGTACCGGAGCTCCAAGTCCGTCATGTCTTTGGCAAACCAGCCAGCAAGGAGA
ACTGCTACGACTCCGTGCCTATCACCCGACGCTTCACGACAACCACTTCTGTGCCGTGAACCCCACTT
CATTGCAGTTGTGACTGAGTGTGCTGGTGGAGGGCCCTCCTCGTCATCCCCCTGCACCAGACAGGGAAG
TTGGACCCCACTACCCAAAAGTCTGCGGGCACAGAGGCAACGTTTTGGATGTCAAGTGGAAACCTTTG
ATGATTTTGAGATCGCCTCCTGTTCTGAAGATGCCACAATTAAGATCTGGAGCATCCCCAAGCAGCTGCT
GACCAGGAACCTCACGGCCTACAGGAAGGAACTCGTGGGCCACGCGCAGAGTAGGCCTGGTGGAGTGG
CACCCACGGCCCAACATCCTCTTCACTGCTGGCTATGACTACAAGGTGATGATCTGGAACCTGGATA
CAAAGGAGTCTGTCATCACAAGCCCATGAGTACGATTAGCTGTCACCAAGATGTGATCCTCTCCATGTC
CTTCAACACCAACGGCAGCCTGTTGGCCACCACCTGCAAAGACCGCAAGATTCGGGTTATTGACCCCGA
GCAGGGACCGTCTCCAGGAGGCCAGCTACAAAGGGCACCGGGCCAGCAAAGTGTGTTTCTGGGAACC
TGAAGAAGCTGATGTCCACAGGCACATCCCGATGGAACAACCGGCAGGTGGCCTTGTGGGACCAGGATAA
CCTCTCTGTGCCTCTGATGGAGGAGGACCTGGACGGCTCCTCGGGCGTGTGTTCCCTTCTATGACGCG
GACACCAGCATGCTCTACGTGGTGGGAAGGGAGATGGCAACATCCGCTACTACGAGGTGAGCGCCGACA
AGCCTCACCTGAGCTACCTGACTGAGTACCGCTCCTATAACCCACAGAAGGGGATCGGTGTGATGCCAAA
GAGAGGACTCGACGTGCTCCTCCTGCGAGATCTTCCGCTTCTACAAGTGTACAAACAAAAGCCTCATC
GAGCCCATCTCCATGATTGTGCCCGGGCGGTGAGAATCTACCAAGAGGACATATACCTCCAACAGCAG
GGGCCCAGCCCTCCTGACGGCCAGGAGTGGCTCAGCGGGATGAATCGAGACCAATCCTGGTGTCCCT
TAGGCCTGGCTCTGAGCTGTGAGACCCCACTGCCTGCAGAGAGACCTATCTTCAATTCATGGCC
CCAGCCTCACCCGGCTCTTGAATCAGACAGAAAAGCTGGCTGCAGAAGATGGCTGGAGGCTTCCCTCCC
TGTTGGAGGAGAAGATGCCAAGGTGGGCAGCAGAACACAGGCTGGAGGAGAAGAAAACCTGGCTGACAAA
TGCTTTGACGTTTTCGAATGCCCCCAACAAAGACAGAGAATGAGTTGCTGAGATGTTCTACCGCAA
CAGGAGGAGATCCGAAGGCTCCGGGAGCTGTTGACCCAGCGAGAGGTCCAGGCCAAACAGTTGGAAGTGG
AGATCAAAAACCTGCGGATGGGCTCAGAGCAGCTCTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003389 unedited

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TAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGCCGAGCCCGGCTGGGG
AATTGAGCCCACTGCAGACAGAGCCCCCTCCTGCCAACCTCCCTTTCACACCTGGCTGAC
CAGGTAGACCTGCCTGAGAAATCAGATACGAGCCTCCAGCAATGGTTTGGAGTCTAAGAT
TGCGGACAACAAGGGATGCAGTGGAGCAAAAAGAACCCAGGCCTCTGAAGAAGGAGAGCTG
ACCCCGCTGTGATATGCTCCTTAGATGTCATGGCACCCCAAGTACCGGAGCTCCAAGTT
CCGTGATGCTTTGGCAAACCAGCCAGCAAGGAGAAGTCTACGACTCCGTGCCTATCAC
CCGCAGCGTTCACGACAACCACTTCTGTGCCGTGAACCCCACTTCAATTGCAGTTGTGAC
TGAGTGTGCTGGTGGAGGGCCCTCCTCGTCATCCCCCTGCACCAGACAGGGAAGTTGGA
CCCCCACTACCCAAAAGTCTGCGGGCACAGAGGCAACGTTTTGGATGTCAAGTGGAAACC
TTTTGATGATTTTGGATCGCCTCCTGTTCTGAAGATGCCACAATTAAGATCTGGAGCAT
CCCCAAGCAGCTGCTGACCAGGAACCTCACGGCCTACAGGAAGGAACTCGTGGGCCACGC
GCGCAGAGTANGCCTGGTGGAGTGGCACCCACGGCCGCAACATCCTCTTCACTGCTGG
CTATGACNTACAGGTGATGATCTGGAACCTGGATCANAGGAGTCTGTCATCACAAGCCCA
TGAGTACGATTAGCTGTACCAGATGTGATCCTCTTCAATGNTTTCACACCACGGCAGCC
TGTTGGCCACACCTGCAAGACCGCAGATCGGNTATTGACCCCGACAGGGACCGTCTCAGA
GCCAGCTACAAGCACCGGCCACAATGCTGTTCTGGGAAGTGANANCTGTGTCACAGCCAN
CN
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_003389 unedited CGGGGGGGGCNAACCCNNNTNTTATTNNNNAAAANTTCTGTGAACCGCGCCGCAAT CTANGATCGGTTTTTTTTTTTTTTTTTTGAGACAGACTTTTGCTCTTATTGCGCAGGTTA GAGTGCAGGGGCACAANCNCAGCTCACTGCAACCCCGCCTTCCGGNTTCAAGCAATTCT CCTGCCTCAGCCTCCCAAGTCGCTGGAATTACAGGCGCCTGCCACCACGCCAGCTAATT TTTTTGATTTTTAGTAGAGATGGGTTTCACCATGTTGGTTAGGGTGGTCTCGAACTGC TGACCTCGTGATCCACCAGCCTCGGCCTCCAACATGCTGGAATTACAGGCGTGAGCCAC TGCGCCTGGTGAGACTGGTTTCAAACCTCCGACCTCAAGCAATCCGCCACCTCAGCCTC CCAGAGTGCTGGGATTACAGGCATGAGCCACTGCGTCTGGCCAGTCTTCCCCTATTCTC TGGACCACAGTTTAAAAACACAGACAGGTCAACCTAGATCCTTCCAGCTCTAGTTTTCT ACTGTGTTCTTCTCTTGAGAAGTTACAGCTCATCATGGGCCCTTAATAACAGAATTCA ACAGAAGGCATTATCTGAAAACAAAGTCAATTCAGAACTGTTGTTGCAAGAAGGCAAAC AGAAAAACGGCACCATGTCCACTGGAATCTTTTACCGATGGAGAGTTTTGTTTTCTT GTAACAATATTACAAATAGTGTGTTGTCCTTGAGGGACTTGTTGGGTTTGGTTTTAAAC TCCCCATGGAGCCCAAGTGGTGTCCCTGAAGTTGAGGAGGCACAGGTCCTTGTATAA GCTGCTCTGAGCCATCCGCAAGTTTTTGAACCTCAAGTTCCAAGTGTGGCCCTGGAC CTTCCGCTGGGGTAACAGGTTCCCGGAGCCTTCGACTTCTCCTGTTGCCCGTAAAAACA TCTGGAACCATTTGGCCTTTTTCTTCCACCAGGAAGAAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003389
<b>Insert Size:</b>	2440 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_003389.2</a> , <a href="#">NP_003380.2</a>
<b>RefSeq Size:</b>	2427 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	7464
<b>UniProt ID:</b>	<a href="#">Q92828</a>
<b>Cytogenetics:</b>	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]

Transcript Variant: This variant (1) contains a distinct 5' UTR transcribed from an alternate exon, as compared to variant 2. Variants 1 and 2 encode the same protein and contain the same 3' UTR. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.