

## Product datasheet for **RG210753**

### Coronin 1a (CORO1A) (NM\_007074) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Coronin 1a (CORO1A) (NM_007074) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coronin 1a
Synonyms:	CLABP; CLIPINA; HCORO1; IMD8; p57; TACO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG210753 representing NM\_007074  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCCGGCAGGTGGTCCGCTCCAGCAAGTTCGCCACGTGTTGGACAGCCGGCAAGGCCGACCAGT  
 GCTATGAAGATGTGCGCGTCTCACAGACCCTGGGACAGTGGCTTCTGTGCTGTCAACCCTAAGTTTGT  
 GGCCCTGATCTGTGAGGCCAGCGGGGAGGGCCCTTCCTGGTGTGCCCTGGGCAAGACTGGACGTGTG  
 GACAAGAATGCGCCACGGTCTGTGCCACACAGCCCTGTGCTAGACATCGCCTGGTCCCGCACAATG  
 ACAACGTCATTGCCAGTGGCTCCGAGGACTGCACAGTCATGGTGTGGGAGATCCCGGATGGGGCCCTGAT  
 GCTGCCCTGCGGGAGCCCGTCTCACCCCTGGAGGGCCACACCAAGCGTGTGGCATTGTGGCCTGGCAC  
 ACCACAGCCAGAACGTGCTGCTCAGTGCAGGTTGTGACAACGTGATCATGGTGTGGGACGTGGGACTG  
 GGGCGCCATGCTGACACTGGGCCAGAGGTGCACCCAGACAGTCTACAGTGTGGACTGGAGCCGAGA  
 TGGAGGCCTCATTGTACCTCCTGCCGTGACAAGCGCGTGCGCATCATCGAGCCCGCAAAGGCACTGTC  
 GTAGCTGAGAAGGACCGTCCCCACGAGGGGACCCGGCCCGTGCCTGCAGTGTTCGTGCGGAGGGGAAGA  
 TCCTGACCACGGGCTTACGCCGATGAGTGAGCGGCAGGTGGCGCTGTGGACACAAAGCACCTGGAGGA  
 GCCGCTGTCCCTGCAGGAGCTGGACACCAGCAGCGGTGTCTGCTGCCCTTCTTTGACCCTGACACCAAC  
 ATCGTCTACCTCTGTGGCAAGGGTGACAGCTCAATCCGGTACTTTGAGATCACTTCCGAGGCCCTTTCC  
 TGCACTATCTCCATGTTCAAGTCCAAGGAGTCCCAGCGGGGATGGGCTACATGCCAAACGTTGGCCT  
 GGAGGTGAACAAGTGTGAGATCGCCAGGTTCTACAAGCTGCACGAGCGGAGGTGTGAGCCATTGCCATG  
 ACAGTGCCTCGAAAGTCGACCTGTTCCAGGAGGACCTGTACCCACCCACCGCAGGGCCCGACCTGCC  
 TCACGGCTGAGGAGTGGCTGGGGGTGGGATGCTGGGCCCTCCTCATCTCCCTCAAGGATGGTACGT  
 ACCCCAAAGAGCCGGGAGCTGAGGGTCAACCGGGCCCTGGACACCGGGCGCAGGAGGGCAGCACCAGAG  
 GCCAGTGGCACTCCAGCTCGGATGCCGTGTCTCGGCTGGAGGAGGAGATGCGGAAGCTCCAGGCCACGG  
 TGCAGGAGCTCCAGAAGCGCTTGACAGGCTGGAGGAGACAGTCCAGGCCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG210753 representing NM\_007074  
 Red=Cloning site Green=Tags(s)

MSRQVVRSSKFRHVFGQPAKADQCYEDVRSQTTWDSGFCVNPKFVALICEASGGGAFLVPLGKTGRV  
 DKNAPTVCGHAPVLDIAWCPHNDNVIASGSEDCVMVWEIPDGGLMLPLREPVVTLLEGHTKRVGIVAWH  
 TTAQNLLSAGCDNVIMVWDVGTGAAMLTLGPEVHPDTIYSVDWSRDGLICTSCRDKRVRIEPRKGTV  
 VAEKDRPHEGTRPVRAVAVFVSEGKILTTGFSRMSERQVALWDTKHLEEPLSLQELDTSSGVLLPFFDPDTN  
 IVYLCGKGDSSIRYFEITSEAPFLHYLSMFSSKESQRGMGYMPKRGLEVNKCEIARFYKLGHERRCEPIAM  
 TVPRKSDLFQEDLYPPTAGPDPALTAEEWLGGRDAGPLLI SLKDGYPVPPKSRELRYNRLDTRRRRAAPE  
 ASGTPSSDAVSRLEEEMRKLQATVQELQKRLDRLEETVQAK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_007074

**ORF Size:** 1383 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

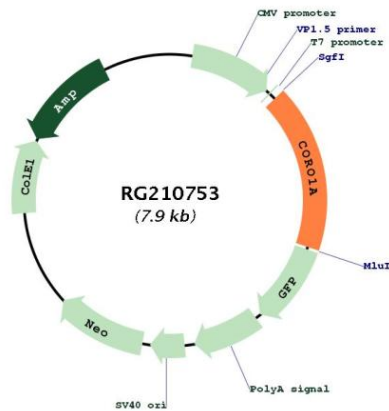
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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\\_007074.1](#)

RefSeq Size: 1620 bp  
 RefSeq ORF: 1386 bp  
 Locus ID: 11151  
 UniProt ID: [P31146](#)  
 Cytogenetics: 16p11.2  
 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. Alternative splicing results in multiple transcript variants. A related pseudogene has been defined on chromosome 16. [provided by RefSeq, Sep 2010]

### Product images:



Circular map for RG210753