

## Product datasheet for **RG234167**

### Coronin 1a (CORO1A) (NM\_001193333) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Coronin 1a (CORO1A) (NM_001193333) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CORO1A
Synonyms:	CLABP; CLIPINA; HCORO1; IMD8; p57; TACO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG234167 representing NM\_001193333  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCCGGCAGGTGGTCCGCTCCAGCAAGTTCGCCACGTGTTGGACAGCCGGCAAGGCCGACCAGT  
 GCTATGAAGATGTGCGCGTCTCACAGACCCTGGGACAGTGGCTTCTGTGCTGTCAACCCTAAGTTTGT  
 GGCCCTGATCTGTGAGGCCAGCGGGGAGGGCCCTTCCTGGTGTGCCCTGGGCAAGACTGGACGTGTG  
 GACAAGAATGCGCCACGGTCTGTGCCACACAGCCCCTGTGCTAGACATCGCCTGGTCCCGCACAATG  
 ACAACGTCATTGCCAGTGGCTCCGAGGACTGCACAGTCATGGTGTGGGAGATCCCAGATGGGGCCCTGAT  
 GCTGCCCTGCGGGAGCCCGTCTCACCCCTGGAGGGCCACACCAAGCGTGTGGCATTGTGGCTGGCAC  
 ACCACAGCCCAGAACGTGCTGCTCAGTGCAGGTTGTGACAACGTGATCATGGTGTGGGACGTGGGACTG  
 GGGCGCCATGCTGACACTGGGCCAGAGGTGCACCCAGACAGTCTACAGTGTGGACTGGAGCCGAGA  
 TGGAGGCCTCATTGTACCTCCTGCCGTGACAAGCGCGTGCGCATCATCGAGCCCGCAAAGGCACTGTC  
 GTAGCTGAGAAGGACCGTCCCACGAGGGGACCCGGCCCGTGCCTGCAGTGTTCGTGCGAGGGGAAGA  
 TCCTGACCACGGGCTTACGCCGATGAGTGAGCGGCAGGTGGCGCTGTGGACACAAAGCACCTGGAGGA  
 GCCGCTGTCCCTGCAGGAGCTGGACACCAGCAGCGGTGTCTGCTGCCCTTCTTTGACCCTGACACCAAC  
 ATCGTCTACCTCTGTGGCAAGGGTGACAGCTCAATCCGGTACTTTGAGATCACTTCCGAGGCCCTTTTC  
 TGCACTATCTCTCATGTTCAAGTCCAAGGAGTCCCAGCGGGCATGGGCTACATGCCAAACGTTGGCT  
 GGAGGTGAACAAGTGTGAGATCGCCAGGTTCTACAAGCTGCACGAGCGGAGGTGTGAGCCATTGCCATG  
 ACAGTCCCTCGAAAGTCGACCTGTTCCAGGAGGACCTGTACCCACCCACCGCAGGGCCCGACCTGCC  
 TCACGGCTGAGGAGTGGCTGGGGGTGGGATGCTGGGCCCTCCTCATCTCCCTCAAGGATGGTACGT  
 ACCCCAAAGAGCCGGGAGCTGAGGGTCAACCGGGCCCTGGACACCGGGCGCAGGAGGGCAGCACCAGAG  
 GCCAGTGGCACTCCAGCTCGGATGCCGTGTCTCGGCTGGAGGAGGAGATGCGGAAGCTCCAGGCCACGG  
 TGCAGGAGCTCCAGAAGCGCTTGACAGGCTGGAGGAGACAGTCCAGGCCAAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234167 representing NM\_001193333  
 Red=Cloning site Green=Tags(s)

MSRQVVRSSKFRHVFGQPAKADQCYEDVRVSQTTWDSGFCVNPKFVALICEASGGGAFLVPLGKTGRV  
 DKNAPTVCGHAPVLDIAWCPHNDNVIASGSEDCVMVWEIPDGGLMLPLREPVVTLLEGHTKRVGIVAWH  
 TTAQNLLSAGCDNVIMVWDVGTGAAMLTLGPEVHPDTIYSVDWSRDGLICTSCRDKRVRIEPRKGTV  
 VAEKDRPHEGTRPVRAVAVFVSEGKILTTGFSRMSERQVALWDTKHLEEPLSLQELDTSSGVLLPFFDPDTN  
 IVYLCGKGDSSIRYFEITSEAPFLHYLSMFSSKESQRGMGYMPKRGLVNVKCEIARFYKLGHERRCEPIAM  
 TVPRKSDLFQEDLYPPTAGPDPALTAEEWLGGRDAGPLLI SLKDGYPVPPKSRELRYNRLDTRRRRAAPE  
 ASGTPSSDAVSRLEEEMRKLQATVQELQKRLDRLEETVQAK

**TRTRPLE** – GFP Tag – V

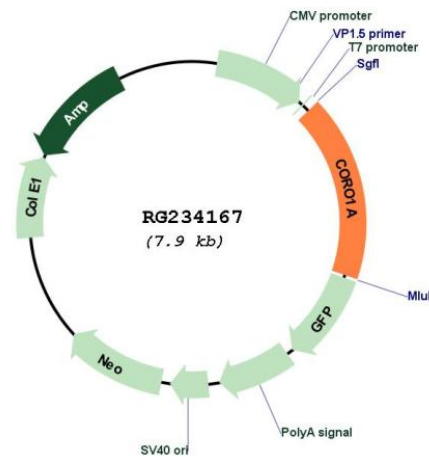
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001193333

ORF Size: 1383 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.

<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>	<u>NM_001193333.2, NP_001180262.1</u>
<b>RefSeq Size:</b>	1943 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	11151
<b>UniProt ID:</b>	<u>P31146</u>
<b>Cytogenetics:</b>	16p11.2
<b>Gene Summary:</b>	<p>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]</p>