

Product datasheet for **RG203023**

CORO1B (NM_020441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CORO1B (NM_020441) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CORO1B
Synonyms:	CORONIN-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG203023 representing NM_020441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTTCCGCAAAGTGGTCCGGCAGAGCAAATTCCGGCATGTGTTCCGGCAGCCGGTCAAGAACGACC
 AGTGCTATGAGGACATTCGCGTGTCCCGTGTACTGGGACAGCACCTTCTGCGCCGCAACCCCAAGTT
 CCTGGCGGTGATTGTGGAGGCCAGTGGAGGGGGTGCCTTTCTGGTGTCCCCCTAAGCAAGACGGGCCG
 ATTGACAAGGCCTACCCGACGGTGTGTGGGCACACGGGACCTGTCTGGACATCGACTGGTGTCTCACA
 ACGACGAAGTCATAGCCAGCGGCTCGGAGGACTGCACGGTCATGGTGTGGCAGATCCCAGAGAACGGGT
 GACCTCCCGCTGACAGAGCCGGTGGTGTACTGGAGGGGCACACCAAGCGAGTGGGCATCATCGCTGG
 CACCCACGGCCGAAACGTGCTGCTCAGTGCAGGCTGCGACAACGTGGTACTCATCTGGAATGTGGCA
 CAGCGGAGGAGCTGTACCGCTGGACAGCTGCACCCTGACCTCATCTACAATGTCAGCTGGAACCACAA
 TGGCAGCTGTTTGTCTCAGCATGCAAGGACAAGAGCGTGCGCATCATCGACCCCGTCGGGGCACCTG
 GTGGCAGAGCGGAGAAGGCTCATGAGGGGGCCCGCCATGCGGGCCATCTTCTGGCAGATGGCAAGG
 TGTTACCCACAGGCTTACGCCGAATGAGCGAGCGGCAGCTGGCGCTCTGGGACCCAGAAAACCTCGAGGA
 ACCCATGGCCCTGCAGGAAGTGGACTCGAGCAACGGGGCCCTGTGCCCTTCTACGACCCCGACACCACT
 GTGGTCTACGTCTGCGCAAGGGTACTCCAGCATCCGGTACTTTGAGATCACAGAGGAGCTCCCTACA
 TCCACTTCTGAACACGTTACCCAGCAAGGAGCCGAGCGGGGTATGGCAGCATGCCAAAGCGGGGCT
 GGAGGTGAGCAAGTGGGAGATCGCCCGTTCTACAAATGCATGAGCGCAAGTGTGAGCCATCGTCATG
 ACTGTGCCAAGAAAGTCGACCTCTCCAGGATGATCTGTACCCGACACAGCCGGGCCGAGGCAGCCC
 TGGAGCTGAGGAGTGGGTGAGCGGGCGGATGCCGACCCGATCCTCATCTCACTGCGGGAGGCATCGT
 GCCCAGCAAGCAGCGGGACCTGAAGATCAGCCGCGCAACGTGTTGTCTGACAGCCGGCCCGCCATGGCC
 CCGGGCTCTCCACCTAGGGGCCCCCGCTCCACCACCTGCTGCTGATGCCACCCAGCGGCAGCC
 TGGCCAGAGCCGGGAGGCTGGGAAGCTGGAGGAGGTGATGCAGGAGCTGCGGGCCCTGAGGGCGCTGGT
 CAAGGAGCAGGGCAGCCATCTGCCGCTGGAGGAGCAGCTGGGCCGATGGAGAACGGGGATGCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203023 representing NM_020441
 Red=Cloning site Green=Tags(s)

MSFRKVVQRQSKFRHVFGQPVKNDQCYEDIRVSRVTWSTFCVAVNPKFLAVIVEASGGGAFVLVPLSKTGR
 IDKAYPTVCGHTGPVLDIDWCPHNDEVIASGSEDCTVMVWQIPENGLTSPLETPVVVLEGHTKRVGIIAW
 HPTARNVLLSAGCDNVVLIWNVGTAEELYRLDSLHPDLIYNVSWNHNGSLFCSACKDKSVRIIDPRRGT
 VAEREKAHEGARPMAIFLADGKVFTTGFSRMSEQLALWDPENLEEMALQELDSNGALLPFYDPDTS
 VVYVCGKDSSIRYFEITEPPYIHFNTFTSKEPQRGMGSMKRGLEVSKEIARFYKLHERKCEPIVM
 TVPRKSDLFQDDLYPDAGPEAALEAEWVSGRDADPILISLREAYVPSKQRDLKISRNVLSDSRPAMA
 PGSSHLGAPASTTTAADATPSGLARAGEAGKLEEVMQELRALRALVKEQGDRICRLEEQLGRMENGDA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_020441

ORF Size: 1467 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 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.

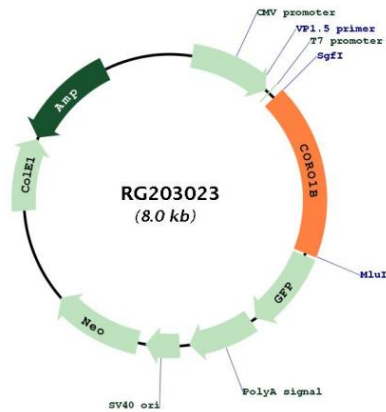
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_020441.3](#)
 RefSeq Size: 1927 bp
 RefSeq ORF: 1470 bp
 Locus ID: 57175
 UniProt ID: [Q9BR76](#)
 Cytogenetics: 11q13.2
 Domains: WD40

Gene Summary: Members of the coronin family, such as CORO1B, are WD repeat-containing actin-binding proteins that regulate cell motility (Cai et al., 2005 [PubMed 16027158]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG203023