

## Product datasheet for **RG232812**

### **CORO2B (NM\_001190456) Human Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | CORO2B (NM_001190456) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                     |
| Symbol:                   | CORO2B                                       |
| Synonyms:                 | CLIPINC                                      |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-AC-GFP (PS100010)                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RG232812 representing NM\_001190456  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTGGCGTCCGCAATACCGTAGCTCCAAGTTCGGGAATGTCTACGGGAAGGTGCCAACCGGGAGC  
 ACTGCTTCGATGGGATCCCCATACCAAGAATGTGCACGACAACCACTTCTGTGCCGTCAACACCCGCTT  
 CCTGGCCATCGTCACCGAGAGCGCAGGGGGCGGCTCCTTCCTCGTCATCCCCCTGGAGCAGACAGGCAGG  
 ATTGAACCAACTACCCCAAGGTCTGCGGCCACAGGGCAATGTGCTGGATATCAATGGAACCCCTTCA  
 TCGACAACATCATTGCCTCGTCTCGGAGGACACGTGGTGGGATCTGGGAGATCCCCGAGGGCGGGCT  
 GAAGCGGAACATGACGGAGGCGCTCCTGGAGCTGCACGGGCACAGCCGGCGTGTGGGGCTGGTGGAGTGG  
 CACCCACCAACAACATCCTGTTCAAGCTGGCTACGACTACAAGTCTCATCTGGAACCTGGATG  
 TGGGTGAGCCGGTGAAGATGATTGACTGCCACACGGATGTGATCCTCTGCATGTCCTTCAACACGGACGG  
 CAGCCTGCTCACCACCAGTGAAGGACAAGAAGCTGCGTGTGATTGAGCCCCGCTCTGGCCGTGTTCTG  
 CAGGAGGCCAACTGCAAAAACCACAGAGTGAACCGGGTGGTGTTCCTGGGGAACATGAAGCGGCTCCTCA  
 CGACAGGGGTCTCCAGGTGGAACACAAGACAGATTGCCCTCTGGGACCAGGAGGACCTCTCCATGCCCT  
 GATCGAAGAGGAAATGATGGGCTCTCTGGCCTCCTGTTCCCTTCTATGATGCTGACACCCACATGCTC  
 TACCTGGCTGGAAGGGTATGGAACATCCGGTACTACGAGATCAGCACTGAGAAGCCCTACCTGAGTT  
 ACCTCATGGAGTTCGGCTCCCCAGCCCCGAGAAAGGCCAGGGGTATGCCCAAGCAGGGGCTGGATGT  
 GTCAGCCTGCGAGGTGTTCCGCTTCTACAAGCTGGTACTCTCAAGGGCTGATCGAGCCATCTCCATG  
 ATCGTCCCCGGAGGTGATGCTGAGGCATCAACCGAGATCCCGTGTGATGCTTTTGAAGGAGGCTATAA  
 GAGCTCCTCAAAAATGGTATTTAAGGCTCCCATCAAGAAAAGAAGAGTGTGTGGTCAACGGAATAGAT  
 TTATTAGAAAATGTCCACCCAGGACAGAGAATGAGCTCCTCGAATGTTCTTCCGGCAGCAGGATGAGA  
 TTCGACGGTTGAAAGAGGAGCTGGCCAGAAGGACATCCGCATTCGGCAGCTCCAGCTGGAAGTAAAAA  
 CTTGCGCAACAGCCCAAGAACTGT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG232812 representing NM\_001190456  
 Red=Cloning site Green=Tags(s)

MSWRPQYRSSKFRNVYGVANREHCFDGIPIITKNVHDNHFCVNTFLAIVTESAGGGSFLVIPLEQTGR  
 IEPNYPKVCQHGNVLDIKWNPFDNI IASCEDETSVRIWEIPEGGLKRNMTALLELHGHSSRRVGLVEW  
 HPTTNNILFSAGYDYKVL IWNLDVGEVPMIDCHTDVILCMSFNDDGSLT TTTCKDKLRVIEPRSGRVL  
 QEANCKNHRVNRVFLGNMKRLLTGVSRWNTQIALWDQEDLSMPLIEEIDGLSGLLFPFYDADTHML  
 YLAGKGDGNIRYYEISTEKPYLSYLMEFRSPAPQKGLGVMPKHGLDVSACEVFRFYKLVTLKGLIEPISM  
 IVPRRSDSYQEDIYPMTPGTEPALTPDEWLGGINRDPVLSLKEGYKSSKMFVKAPIKEKKSVMVNGID  
 LLENVPPRTENELLRMFFRQDEIRRLKEELAQKDIRIRLQLLELKNLRNSPKNC

**TRTRPLE** – GFP Tag – V

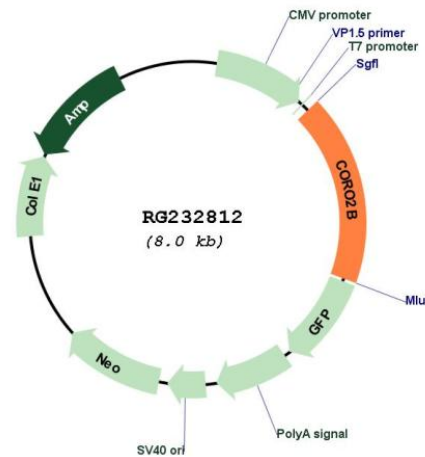
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001190456

**ORF Size:** 1425 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\\_001190456.1](#), [NP\\_001177385.1](#)

**RefSeq Size:** 3344 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 10391

**UniProt ID:** [Q9UQ03](#)

**Cytogenetics:** 15q23

**Gene Summary:** May play a role in the reorganization of neuronal actin structure.[UniProtKB/Swiss-Prot Function]