

Product datasheet for **RG222047**

CORO1B (NM_001018070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CORO1B (NM_001018070) 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:

>RG222047 representing NM_001018070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTTCCGCAAAGTGGTCCGGCAGAGCAAATTCCGGCATGTGTTCCGGCAGCCGGTCAAGAACGACC
 AGTGCTATGAGGACATTCGCGTGTCCCGTGTACTCTGGGACAGCACCTTCTGCGCCGTCAACCCCAAGTT
 CCTGGCGGTGATTGTGGAGGCCAGTGGAGGGGGTGCCTTTCTGGTGTCTCCCTAAGCAAGACGGGCCGC
 ATTGACAAGGCCTACCCGACGGTGTGTGGGCACACGGGACCTGTCTGGACATCGACTGGTGTCTCACA
 ACGACGAAGTCATAGCCAGCGGCTCGGAGGACTGCACGGTCATGGTGTGGCAGATCCCAGAGAACGGGT
 GACCTCCCGCTGACAGAGCCGGTGGTGTACTGGAGGGGCACACCAAGCGAGTGGGCATCATCGCTGG
 CACCCACGGCCGAAACGTGCTGCTCAGTGCAGGCTGCGACAACGTGGTACTCATCTGGAATGTGGCA
 CAGCGGAGGAGCTGTACCGCTGGACAGCTGCACCCTGACCTCATCTACAATGTCAGCTGGAACCACAA
 TGGCAGCTGTTTGTCTCAGCATGCAAGGACAAGAGCGTGCGCATCATCGACCCCGTCGGGGCACCTG
 GTGGCAGAGCGGAGAAGGCTCATGAGGGGGCCCGCCATGCGGGCCATCTTCTGGCAGATGGCAAGG
 TGTTACCCACAGGCTTACGCCGAATGAGCGAGCGGCAGCTGGCGCTCTGGGACCCAGAAAACCTCGAGGA
 ACCCATGGCCCTGCAGGAACTGGACTCGAGCAACGGGGCCCTGTGCCCTTCTACGACCCCGACACCAGT
 GTGGTCTACGTCTGCGCAAGGGTACTCCAGCATCCGGTACTTTGAGATCACAGAGGAGCTCCCTACA
 TCCACTTCTGAACACGTTACCCAGCAAGGAGCCGAGCGGGGTATGGGACAGATGCCAAAGCGGGGCT
 GGAGGTGAGCAAGTGGAGATCGCCCGTCTACAAATGCATGAGCGCAAGTGTGAGCCATCGTCATG
 ACTGTGCCAAGAAAGTCGACCTCTCCAGGATGATCTGTACCCGACACAGCCGGGCCGAGGCAGCCC
 TGGAGGCTGAGGAGTGGGTGAGCGGGCGGATGCCGACCCGATCCTCATCTCACTGCGGGAGGCCTACGT
 GCCCAGCAAGCAGCGGGACCTGAAGATCAGCCGCGCAACGTGTTGTCTGACAGCCGGCCCGCCATGGCC
 CCGGGCTCTCCACCTAGGGGCCCCCGCTCCACCACACTGCTGCTGATGCCACCCAGCGGCAGCC
 TGGCCAGAGCCGGGAGGCTGGGAAGCTGGAGGAGGTGATGCAGGAGCTGCGGGCCCTGAGGGCGCTGGT
 CAAGGAGCAGGGCAGCCATCTGCCGCTGGAGGAGCAGCTGGGCCGCATGGAGAACGGGGATGCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222047 representing NM_001018070
 Red=Cloning site Green=Tags(s)

MSFRKVVQRQSKFRHVFGQPVKNDQCYEDIRVSRVTWSTFCVAVNPKFLAVIVEASGGGAFVLVPLSKTGR
 IDKAYPTVCGHTGPVLDIDWCPHNDEVIASGSEDCTVMVWQIPENGLTSPLETPVVVLEGHTKRVGIIAW
 HPTARNVLLSAGCDNVVLIWNVGTAEELYRLDSLHPDLIYNVSWNHNGSLFCSACKDKSVRIIDPRRGL
 VAEREKAHEGARPMRAIFLADGKVFTTGFSRMSEQLALWDPENLEEMALQELDSSNGALLPFYDPDTS
 VVYVCGKDSSIRYFEITEPPYIHFLNTFTSKEPQRGMGSMKRGLEVSKEIARFYKLHERKCEPIVM
 TVPRKSDLFQDDLYPDAGPEAALEAEVWVSGRDADPILISLREAYVPSKQRDLKISRNVLSDRPAMA
 PGSSHLGAPASTTTAADATPSGLARAGEAGKLEEVMQELRALRALVKEQGDRICRLEEQLGRMENGDA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001018070

ORF Size: 1467 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_001018070.2](#), [NP_001018080.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 1470 bp

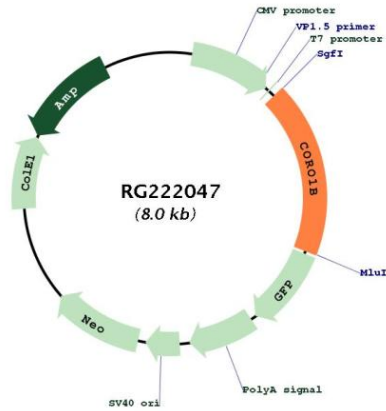
Locus ID: 57175

UniProt ID: [Q9BR76](#)

Cytogenetics: 11q13.2

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 RG222047