

Product datasheet for **RG228320**

CC2D2B (NM_001159747) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CC2D2B
Synonyms:	C10orf130; C10orf131
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG228320 representing NM_001159747
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGACTGAAAAACATGAGGATCACTGTCTCAAGAGCTGTAGTGGTCACTCATATATAAGAAAGAATT
GGCTTGGATGCATTGTCTTCCCTTTTCTGCTCTTCTGCAACAATCTGAGTTTTAGATCAAACAGAGGT
CTTGACAGAGACAGATTTTTAAAAAGAATTGTAAGGCAATGTTCCCAACCGAAGAATCGTAACACT
GTTTTAATGATGAAGGGATACAGTTCTTAGTCACAAGATATCAAGGCATTAAATCCACCTCAGCAAC
TTCTGGATATATTTCTTCACAATTCTAATGCAACATTTGACCTCATTGCTCGATTTGTATCTTTGATTCC
TTTTGTGCCTAATACACCAGATGAAAATGATGGCTCTGATATATGGATGACATCAGAGCACTGCATCAGT
TTAGCTATCGGAAATAAGGAGGAGCATGCCATCCTTCTGTAAATTTCTTCTGTATTTGGAAAGAAGG
CACTGGTCCTCTTGGGAACGTCAGTGTTAGAAGGCATGTGGCTTATGTAGTAACCAAGAACTAATGA
ATATTTGCTTTGGAATCCATCAACTGGCCAATGTTATAAGCAGTTTGACCCGTTTTGTCCCTTAAAAAGT
GTAGATTGTTTGTGATGATAGAAATGTCTGGTTAATATTCAACAAAATAATACACCAATGGCTGTAT
TTTTTGACTATTCAAAGGAAAGTTTCTGGAAGCAGTTGCTTCAAAAAACGTTCAAGGAACAAAATACA
AAGCATACAGCCTGAAGAAATAATTTATTTTGAAGCTGATAAAGCATGGTAGAAGATCTAAGGAATAGG
ATCGAAAGGACTCTGAAGAGTAAAGTGATGGAATGGCGACCTAAACACCAACACATTGGAATCGACAGT
GTACTTTTATTTTGCACAAATCCTTCTAAGCTGGAATTTGGCATAGGAAGCTTTGTTTCATCTGAAGG
AGATAATGAATTTGAAAGAATACTACAATTTTATTGGGTACGCGGATTTCCCATCCAGATGCCATACATT
GATGTACAGTCAATTATTGATGCTGTTATCAAAGTGAATTCACCTCTGCTGAATTTCCCGACAGAGAAT
TTGCTTTAGCTGTATACATTACCCATACCCAAACAACATATTATCTGTGTGGTCTATTTGGCTTCCTT
AGTTCAACATCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG228320 representing NM_001159747
Red=Cloning site Green=Tags(s)

MMTEKHEDHCLKSCSGHSYIRKNWLGCI VFPFSALLQQSEFLDQTEVLQRAQIFKKNCKAMFPNRRIVTT
VFNDEGIQLVTRYIKALNPPQQLLDIFLHNSNATFDLIARFVSLIPFVPNTPDENDGSDIWMTSEHCIS
LAIGNKEEHAILLCNFFLYFGKKALVLLGTSVLEGHVAYVVTQETNEYLLWNPSTGQCYKQFDPFCPLKS
VDCLFDDRNWVFNIQNNTPMAVFFDYSKESFWKQLLPKNVQGTQKIQSIQPEEIIYFETDKSMVEDLRNR
IERTLSKVMWRPKHPHWNQCTFILRQILPKLEFGIGSFVSSEGDNEFERILQFYWVTGFPIQMPYI
DVQSIIDAVYQTGIHSAEFPQTEFALAVYIHPYPNNILSVVYLASLVQHQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159747

ORF Size: 1203 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001159747.2](#)

RefSeq Size: 2124 bp

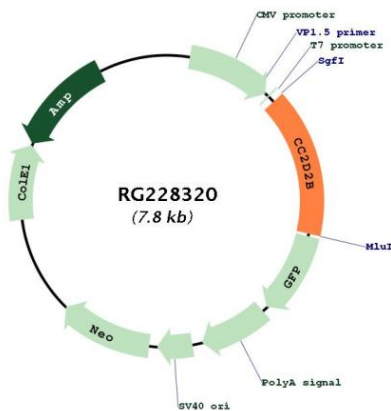
RefSeq ORF: 1206 bp

Locus ID: 387707

UniProt ID: [Q6DHSV](#)

Cytogenetics: 10q24.1

Product images:



Circular map for RG228320