

Product datasheet for **RG203727**

CTTNBP2NL (NM_018704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CTTNBP2NL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203727 representing NM_018704
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATCTGAAAACTCAGCAAGCCTGAACTCCTGACACTATTTAGTATTCTTGAAGGAGAGCTTGAAG
 CAAGGGACCTTGTATAGAAGCCTTAAAGGCCAACACAGAGATATTTTATTGAAGAACGCTATGGAAA
 ATATAACATCAGTGATCCTTTAATGGCTCTACAGAGAGATTTTGAACACTGAAGGAGAAAAATGATGGC
 GAAAAGCAGCCAGTCTGCACAAACCACTCTCTATTCTTAAGGTTGTGATGAAGCAGTGCAAGAATGC
 AGGAGCGCATGTGTCCAGCTGGCTGCTGAGAGCAGGCACCGAAAGGTGATCCTAGACCTTGAGGA
 AGAAAGGCAGCGGCATGCACAGGATACGGCTGAAGGAGATGATGTACCTACATGCTAGAGAAGGAAAGA
 GAGAGGCTGACTCAACAGTTGGAATTTGAAAAATCCCAAGTAAAAAGTTTAAAAAGAACAAGAAGC
 TCTCTAGTCAGCTGGAAGAGGAGCGCTCCCGCCACAAGCAGCTCTCATCCATGCTAGTGCTTGAGTGCAA
 GAAAGCCCAACAAGGCAGCCGAGGAAGGACAGAAGGCAGGAGAGCTGAGCCTGAAATTGGAGAAGGAG
 AAGAGCCGGGTGAGTAACTGGAAGAAGAGTTGGCAGCTGAGAGAAAGAGAGGCTTGACAGCTGAGGCC
 AGGTAGAGAAGCAGTTATCAGAGTTTGACATCGAAAGGGAACAACCTGAGAGCAAACTGAACCGAGAAGA
 GAACCGGACCAAAACCTGAAAGAAGAAATGGAAGTTTAAAGAAGATAGTGAAGGACCTAGAGGCTTCC
 CACAGCAGCTAGCCCTAATGAGCAATTGAAGAAACAGTAACCGTGTCCAAAGGCACAGCAACTGAGC
 CTCTCATGCTAATGTCTGTGTTTTGCCAAACAGAGAGTTTTCCAGCAGAAAGAACCCATGGGAGCAACAT
 AGCCAAGATGACAAACTGGGCTGCCTGGTCTGCCACTCCTGCTTACTCATATGCAAAAACCAATGGC
 CATTGTGACCCAGAGATACAACTACCAGGAGCTGACTGCAGGCAACAATGTAGAAAACCAAGTGCCTC
 CACGGGAAAAATCTGTGGCATTGGCCCAAGAGAAACAGTGGAGAATGGTGGGTCTCTGTGGGATTGA
 GACTCCAGTCCCAATGCCAGTCCCTCTCTTCCAGTGGGAGCTCACTGTCTCCAGCAGCACTGCCTCC
 TCCTCTCTAACATCCTCTCCTTGCTCTTCGCCGCTACTCACTAAGCGTTTATTGGGGTCATCAGCTAGCA
 GCCCTGGCTACCACTCATCGTACCAAGTAGGATCAACCAACGGTTCCATGCAGCTCGCCACAAATTTCA
 GTCCCAAGCAGATCAGGACCAACAAGCCAGTGGCTACAGAGCCCTCCATCCAGGGATTTATCCCCCACC
 CTCATAGACAACCTTGCCGCCAAGCAGCTGGCCCGAAACACAGTCACTCAGGTGCTCTCCAGATTCACTA
 GCCAACAAGGGCCAATCAAGCCAGTCTCTCCCAACAGCTCTCCCTTTGGCACAGACTATCGAAATCTAGC
 CAACACTGCCAATCCAAGAGGTGACACAAGCCATTACCTACTCCAGGGAAGTGTCCAGTCCCCTGAGC
 CCCCTGTCTCCAGGAATCAAGTCCCAACCATCCCAGAGCTGAGAGAGGAAACCTCCACCCATCCCAC
 CCAAGAAACCTGGCCTACCCCTTCTCATCTGTACCACTCCATTGACCAAACTCATTCCCAGGCAGC
 CTCTTTGACCACTGCAGAAGACCTTGCCAGCAGCTGCTCTTCAATACTGTTGTAGCAATGGTAAGGAT
 GTTGAGTTACTTTTGCCTACCAGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203727 representing NM_018704
 Red=Cloning site Green=Tags(s)

MNLEKLSKPELLTLFSILEGELEARDLVIEALKAQHRDTFIEERYGKYNISDPLMALQRDFETLKEKNDG
 EKQPVCTNPLSILKVVMMQCKNMQERMLSQLAASRHRKVILDLEERQRHAQDTAEGDDVTYMLEKER
 ERLTQQLFEKFSQVKKFEKEQKLLSSQLEERSRHKQLSSMLVLECKKATNKAAEGQKAGELSLKLEKE
 KSRVSKLEELAAERKRGLQTEAQVEKQLSEFDIERQLRAKLNREENRTKTLKEEMESLKKIVKDLEAS
 HQHSSPNEQLKKPVTVSKGTATEPLMLMSVFCQTESFPAERTHGSNIAKMTNTGLPGPATPAYSYAKTNG
 HCDPEIQTRELTAGNNVENQVPPREKSVALAQEKPVENGCGPVGIETPVPMPSPSSSGSSLSPSSTAS
 SSLTSSPCSSPVLTKRLLGSSASSPGYQSSYQVGINQRFHAARHKFQSQADQDQASGLQSPPSRDLSP
 LIDNSAAKQLARNTVTQVLSRFTSQQGIKPVSPNSSFPGTDYRNLANANPRGDTSHSPTPGKVSSPLS
 PLSPGIKSPTIPRAERGNPPPIPPKKPGLTPSPSATTPLTKTHSQAASLTAAEDLASSCSSNTVVANGKD
 VELLPTSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018704

ORF Size: 1917 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.

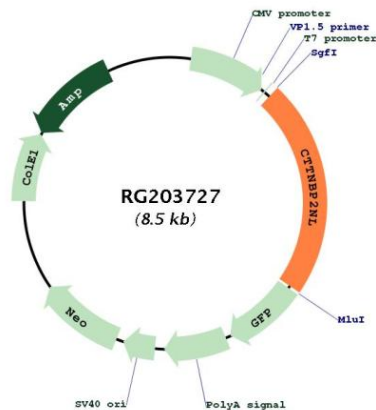
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018704.1, NP_061174.1</u>
RefSeq Size:	4318 bp
RefSeq ORF:	1920 bp
Locus ID:	55917
UniProt ID:	<u>Q9P2B4</u>
Cytogenetics:	1p13.2
Gene Summary:	Regulates lamellipodial actin dynamics in a CTTN-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203727