

Product datasheet for **MG216171**

Cttnbp2nl (NM_001163333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cttnbp2nl
Synonyms:	AA552995; AA589392; AU018624; BC003236; mKIAA1433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216171 representing NM_001163333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCTGAAAAACTCAGCAAGCCTGAACTCCTGACTGTTCAGTATCCTTGAAGGAGAACTTGAAG
 CAAGAGACCTTGTATAGAAGCTTTAAAGGCCAACACAGAGATACTTTTCATTGAAGAACGCTATGGAAA
 ATATAACATCAGTGACCCTCTAATGGCTCTTCAGAGAGATTTTGAACACTGAAGGAGAAAAATGATAGT
 GAGAAGCAGCCAGTGTGCACAAACCCCTCTGTCTCAAGGCGGTGATGAAGCAGTGAAGAACATGC
 AGGAGCGCATGTGTCCAGCTGGCCGAGCCGAGAGCAGGCACCCGAAGTGATCCTCGACCTTGAAGA
 AGAAAGACAGAGGCATGCACAGGACACTGCTGAAGGAGATGATGTACCTACATGCTGGAGAAGGAGAGG
 GAGAGACTGACGCAGCAGTTGGAATTTGAAAAGTCCCAAGTAAAAAGTTTAAAAAGAACAAAAGAAGC
 TGTCCAGTCAGTTGGAGGAGGAGCCACCCGCCACAAGCAGCTCTTCCATGCTGGTGTCTCGAGTGCAG
 GAAGGCCACTAGCAAGGCAGCCGAGGAAGGGCAGAAGGCCGAGAGCTGAGCCTGAAACTGGACAAGGAG
 AAGAGCCGGCGAGCAAGCTAGAGGAAGAGTTGGCAGCCGAGAGGAAGCGGGGCTGCAGACGGAGGCC
 AGGTGGAGAAGCAGCTGTCTGAGTTTCGATATCGAAAGGGAGCAGCTGAGAGCCAAACTGAACCGAGAGGA
 GAACCGGACCCGTGCCCTGAAGGAGGAGTGGAGAGCCTGAAGAAGCTTGTGAAAGACCTAGAGGCTGCC
 CAGCAGCACCGCAGCACCAGTGAAGGAGGAGTGGAGAGCCTGAAGAAGCTTGTGAAAGACCTAGAGGCTGCC
 CTCCCATGCCAGTGTCTGCGTTTTGTCAAACAGAGAGTGTTCAGACAGAAAGAAGCCACGGGAGTGCAT
 AACCAAGCTGACAGACTGGTCTTCCAGTCCACCACGGCTGCTTACTCATATGCTAAAGCTAATGGC
 CACTGTGACCCAGAGATACAGACTACCAGGGAGTTGACCTCAGACAGCAGCACAGAAAACCAAGGGCCTC
 CACGGGAGAAATCTGCAGTAGCGCTCAGGAGAAACAGTGGAGAATGGTGGTGTCTGTAGGAACTGA
 GACTCCAGTCACGATGCCTAGTCACCTCCCTTCCAGTGGCAGCTCCCTGTCTCCAGCAGCAGACGCTCT
 TCCTCTCTGACATCATCTCCTTGTCTCTCCCGAGTTCTAACCAAGCGTCTCTTGGGGTCAGCAGCCAGCA
 GCCCGGGTACCACTTCTACCAAGTCGGGATCAACCAGCGCTTCCATGCCGCTCGGCACAAATTTCA
 GTCCCAGCGGATCAGGATCAGCAAGCCAGCGTCTCCAGAGCCCTCCATCCAGGGACCTGTCCCCTACC
 CTGTTAGACAACTCTGCTGCCAAGCAGCTGGCCGAAACACAGTCACTCAGGTGCTCTCCAGATCACTA
 ACCAAGGGCAATTAAGCCGCTCTCTCCCAACAGTTCTCCCTTTGGGACAGACTACCGAAATCTGGCCAG
 CACTGCCAGCCCAAGAGGTGACACCAGCCATTCACCCACTCCAGGAAAGTGTCCAGCCCTCTGAGCCCC
 CTCTCTCCAGGAATCAAGTCCCAACCATCCCAAGAGCTGAGAGAGAAACCCCTCCACCAATCCCGCCCA
 AAAAGCCTGGCCTCACCCCTTCGAGTCTGCCACCACTCCAGTAACCAAGACTATTCCAGGCATCCTC
 CCTGGCCGCCACAGAAGACCTCGCCAGCAGCTGCTCCCGAGTGGCGTGGTGGCAATGGCAAGATGTT
 GAGATACTTTTGCCTACCAGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216171 representing NM_001163333
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MNLEKLSKPELLTLFSILEGELEARDLVIEALKAQHRDTFIEERYGKYNISDPLMALQRDFETLKEKND
 EKQPVCTNPLSVLKAVMKQCKNMQERMLSQLAAAESRHRKVLIDLEERQRHAQDTAEGDDVTYMLEKER
 ERLTQQLFEKESQVKKFEKEQKLLSSQLEEERTRHKQLSSMLVLECRKATSKAAEEGQKAGELSLKLDKE
 KSRASKLEEELAAERKRLQTEAQVEKQLSEFDIEREQLRAKLNREENRTRALKEEVESLKKLVKDLEAA
 QQHRSTSEQGREPVTMSRGATEPPMRVSAFCQTESVQTERS HGSVITKLTDTGLPGPTTAAYSYAKANG
 HCDPEIQTRELTSDSSTENQPPREKSAYAAQEKPVENGGCPVGTETPVTMPSHLPSSGSSLSPTSSTAS
 SSLTSSPCSSPVLTKRLLGSAASSPGYQSSYQVGINQRFHAAARHKFQSADQDQASGLQSPPSRDLSPT
 LLDNSAAKQLARNTVTQVLSRF TNQPIKPVSPNSSF GTDYRNLASTASPRGDTSHSPTPKVSSPLSP
 LSPGIKSPTIPRAERGNPPPIPPKPKPLTPSQSATTPTVTKTHSQASSLAATEDLASSCSPSAVVANGKDV
 EILLPTSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001163333

ORF Size: 1914 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).

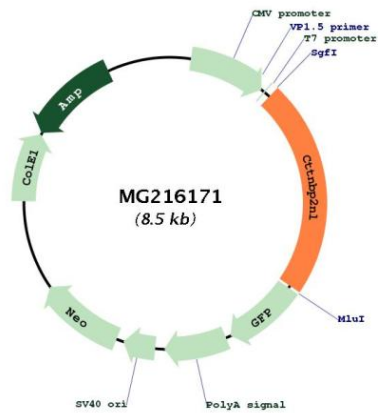
Reconstitution Method:

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_001163333.1](#), [NP_001156805.1](#)

RefSeq Size:	4830 bp
RefSeq ORF:	1917 bp
Locus ID:	80281
UniProt ID:	Q99LJ0
Cytogenetics:	3 F2.2
Gene Summary:	Regulates lamellipodial actin dynamics in a CTTN-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216171