

Product datasheet for **RC239399**

CTNNAL1 (NM_001286974) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNAL1 (NM_001286974) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTNNAL1
Synonyms:	ACRP; alpha-CATU; CLLP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239399 representing NM_001286974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTCTCCCGACCCGCCGGCGTTGGCGGCGCCGGAGCAGTCTACGGCTCCGGCTCTTCGGGCT
 TCGCCCTCGACTCGGGACTGGAGATCAAACTCGCTCGGTGGAGCAGACGCTACTCCCGCTGGTTTCTCA
 GATCACCACGCTTATTAATCATAAAGATAATACAAAAAGTCTGATAAACTCTGCAAGCAATTCAGCGT
 GTAGGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAAATGAAAAC
 GGGATTTGAAAGAAGAAATAAATATTGCTTGTATTGAAGCTAAACAAGCAGGAGAAAACAATTGCAGCACT
 TACAGACATAACCAACTGAACCATCTGGAATCTGATGGCAGATCACAATTTTTACAGACAAAACAGGA
 GTGATAAAGGCTGCAAGATTACTTCTTTCTTCAGTGACAAAAGTGTGTTGCTGGCAGACCGAGTAGTCA
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 TCAAGAGTTTGTCCAAATATTCAGTCAATTTGGAATGAAATGGTGGAGTTTGCACATCTGAGTGGAGAT
 AGACAAAATGATTTGAAAGATGAAAAGAAAAGGCAAAAATGGCAGCAGCTAGGGCAGTTCTTGAAAAGT
 GTACAATGATGCTTCTCACAGCTTCAAAGACATGTCTGAGGCATCCTAACTGCGAATCAGCCATAAAAA
 CAAAGAAGGAGTATTTGACCGTATGAAAGTGGCATTGGATAAGGTCATTGAAATTGTGACTGACTGTAAA
 CCGAATGGAGAGACTGACATTTTCATCTATCAGTATTTTTACTGGAATTAAGGAATTAAGATGAATATTG
 AAGCTCTTCGGGAGAATCTTTATTTTCAGTCCAAAGAGAACCTTTCTGTGACATTGGAAGTCATCTTGG
 GCGTATGGAGGACTTTACTGATTCTGCCTACACCAGCCATGAGCACAGAGAACGCATCTTGGAACTGTCA
 ACTCAGGCGAGAATGGAAGTGCAGCAGTAAATTTCTGTGTGGATTCAAGCTCAAAGCAAGAAAACAAAA
 GCATCGTGAAGAAGTGGAACTGCAAGTAAATTTGAAAATCAGTACAGTCTTAATGAACTTAAGAAAGAACT
 TCATAGTACAGCGACACAGCTGGCAGCAGATCTATTAATAATACCATGCTGATCATGTGGTTCTAAAAGCA
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 GAGCAAGCCAAGATAGCAAAGCTTGGACTTAAGCTGGGTTTGTCTCACCTCTGACGCTGACTGCGAAATTG
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 TTTGCAGAATAAAGTATTTCTAAAGTTGACAAGTGTATTACGAAGACAAGATCCATGATGGCTCTCTTA
 GTCCAACCTCTTCACTTTGTTATAAAGTGTGAAGAAGAGTGAACCCAGATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239399 representing NM_001286974
 Red=Cloning site Green=Tags(s)

MAASPGPAGVGGAGAVYGSSSGFALDSGLEIKTRSVEQTLPLVSQITTLINHKDNTKKSDKTLQAIQR
 VGQAVNLAVGRFVKVGEAIANENWDLKEEINIACIEAKQAGETIAALTDITNLNHLSDGQITIFTDKGTG
 VIKAAARLLLSSVTKVLLADRVIKQIITSRNKVLATMERLEKVNFSQEFVQIFSQFGNEMVEFAHLSGD
 RQNDLKDEKKKAKMAAARAVLEKCTMMLLTASKTCLRHPNCESAHKNKEGVFDRMKVALDKVIEIVTDCK
 PNGETDISSISIFGTGIKEFKMNIEALRENLYFQSKENLSVTLEVILERMEDFTDSAYTSHEHRERILELS
 TQARMELQQLISVWIQAQSKKTKSIAEELELSILKISHSLNELKKELHSTATQLAADLLKYHADHVVLKA
 LKLTGVEGNLEALAEYACKLSEKQELVETCRLLRHISGTEPLEITCIHAETQVVTGQIISAAETLTL
 HPSSKIAKENLDVFCAWESQISDMSTLLREINDVFEGRGKEYGYLSLPKPMKNNANLTKPKDPDSE
 EQAKIAKLGKLGLLTSDADCEIEKWEDQENEIVQYGRNMSSMAYSLYLFTRGEGPLKTSQDLIHQLEVF
 AAEGKLKLTSSVQAFSKQLKDDDKMLLLEINKLIPLCHQLQTVTKTSLQNKVFLKVDKCIKTRSMALL
 VQLLSLCYKLLKKSETRY

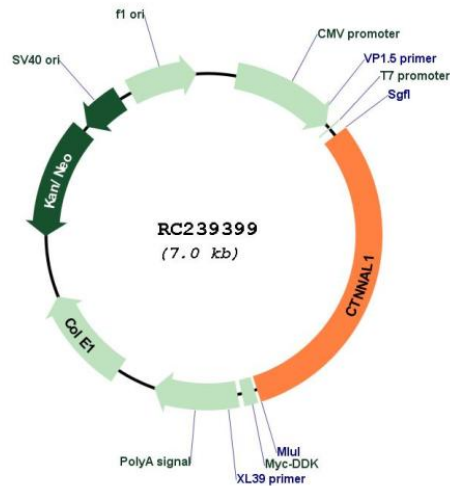
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001286974

ORF Size: 2154 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_001286974.2](#)

RefSeq Size: 2610 bp

RefSeq ORF: 2157 bp

Locus ID:	8727
UniProt ID:	Q9UBT7
Cytogenetics:	9q31.3
Protein Families:	Druggable Genome
MW:	80.6 kDa
Gene Summary:	May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor (ARHGEF1).[UniProtKB/Swiss-Prot Function]