

Product datasheet for **RG239399**

CTNNAL1 (NM_001286974) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNAL1 (NM_001286974) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTNNAL1
Synonyms:	ACRP; alpha-CATU; CLLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239399 representing NM_001286974.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGCCTCTCCCGGACCCGCCGGCGTTGGCGGCGCCGGAGCAGTCTACGGCTCCGGCTCTTCGGGC
TTCGCCCTCGACTCGGGACTGGAGATCAAACCTCGCTCGGTGGAGCAGACGCTACTCCCGCTGGTTTCT
CAGATCACCACGCTTATTAATCATAAAGATAATACCAAAAAGTCTGATAAACTCTGCAAGCAATTCAG
CGTGTAGGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAATGAA
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GATTTAATTCATCAACTAGAGGTTTTTGTGTCAGAGGGTTTAAAGCTTACTTCCAGTGTTCAAGCTTTT
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CACCAGCTCCAGACAGTAACTAAGACTTCTTTCAGAAATAAAGTATTTCTAAAGTTGACAAGTGTATT
ACGAAGACAAGATCCATGATGGCTCTTCTAGTCCAACCTCTTTCCTTGTATAAACTGCTGAAGAA
AGTGAACCCAGATAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239399
 Blue=ORF Red=Cloning site Green=Tag(s)

MAASPGPAGVGGAGAVYGS SSGFALDSGLEIKTRSVEQTLPLVSQITTLINHKDNTKKS DKT LQAIQ
 RVGQAVNLAVGRFVKVGEAIANENWDLKEEINIACIEAKQAGETIAALTDITNLNHLSDGQITIFTDK
 TGVIKAAARLLLSSVTKVLLLADR VVIKQIITSRNKVLATMERLEKVN SFQEFVQIFSQFGNEMVEFAHL
 SGDRQNDLKDEKKKAKMAAARAVLEKCTMMLLTASKTCLRHPNCE SAHKNKEGVFDRMKVALDKVIEIV
 TDCKPNGETDISSISIFGTIKEFKMNI EALRENLYFQSKENLSVTLEVILERMEDFTDSAYTSHEHRER
 ILELSTQARMELQQLISVWIQAQSKKTKSIAEELELSILKISHSLNELKKELHSTATQLAADLLKYHAD
 HVVLKALKLTGVEGNLEALAEYACKLSEQKEQLVETCRLLRHISGTEPLEITCIHAEETFQVTGQQIIS
 AAETLTLHPSSKIAKENLDVFC EAWESQISDMSTLLREINDVFEGRRGEKYGLSLPKPMKNNANLKS L
 KPDKPDSEEQAKIAKLGKLGLLTSDADCEIEKWEDQENEIVQYGRNMSSMAYSLYLFTRGEGPLKTSQ
 DLIHQLEVF AA EGLKLTSSVQAFSKQLKDDDKMLLLEINKLIPLCHQLQTVTKTSLQNKVFLKVDKCI
 TKTRSMALLVQLLSLCYKLLKKSETRY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



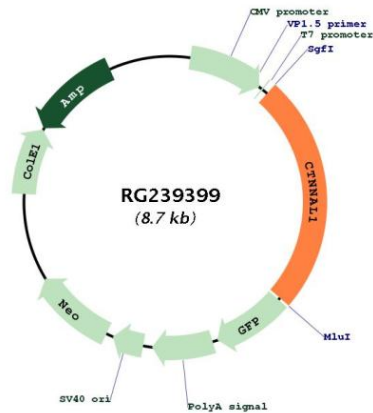
ACCN: NM_001286974

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).
RefSeq:	<u>NM_001286974.2</u>
RefSeq Size:	2610 bp
RefSeq ORF:	2157 bp
Locus ID:	8727
UniProt ID:	<u>Q9UBT7</u>
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]

Product images:


Circular map for RG239399