

Product datasheet for **RG217961**

CTNNAL1 (NM_003798) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNAL1 (NM_003798) 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:

>RG217961 representing NM_003798
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTCTCCCGACCCGCCGGCGTTGGCGGCGCCGGAGCAGTCTACGGCTCCGGCTCTTCGGGCT
 TCGCCCTCGACTCGGGACTGGAGATCAAACTCGCTCGGTGGAGCAGACGCTACTCCCGCTGGTTTCTCA
 GATCACCACGCTTATTAATCATAAAGATAATACAAAAAGTCTGATAAACTCTGCAAGCAATTCAGCGT
 GTAGGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAAATGAAAAC
 GGGATTTGAAAGAAGAAATAAATATTGCTTGTATTGAAGCTAAACAAGCAGGAGAAAACAATTGCAGCACT
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 GTGATAAAGGCTGCAAGATTACTTCTTCTTCAGTGACAAAAGTGTGTTGCTGGCAGACCGAGTAGTCA
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 CCGAATGGAGAGACTGACATTTTCATCTATCAGTATTTTTACTGGAATTAAGGAATTAAGATGAATATTG
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 TTTGCAGAATAAAGTATTTCTAAAGTTGACAAGTGTATTACGAAGACAAGATCCATGATGGCTCTCTTA
 GTCCAACCTCTTTCACCTTGTATAAAGTGTGAAGAAGCTTCAGATGGAAAATAACGGATGGGTCTCAG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

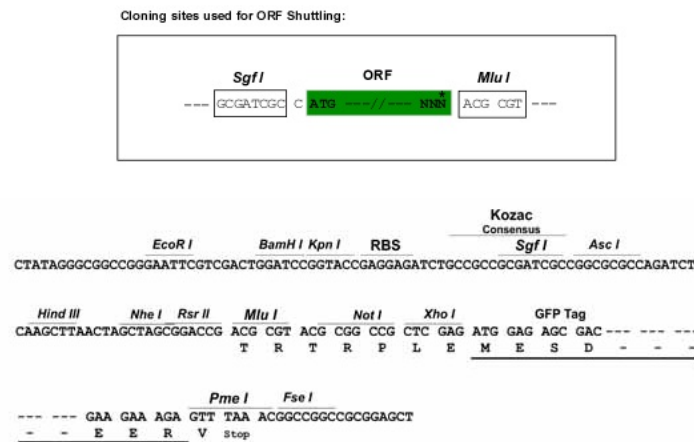
Protein Sequence: >RG217961 representing NM_003798
Red=Cloning site Green=Tags(s)

MAASPGPAGVGGAGAVYGSSSGFALDSGLEIKTRSVEQTLPLVSQITTLINHKDNTKKSDKTLQAIQR
 VGQAVNLAVGRFVKVGEAIANENWDLKEEINIACIEAKQAGETIAALTDITNLNHLESDGQITIFTDKTG
 VIKAAARLLLSSVTKVLLADRVIKQIITSRNKVLATMERLEKVNFSQEFVQIFSQFGNEMVEFAHLSGD
 RQNDLKDEKKKAKMAAARAVLEKCTMMLLTASKTCLRHPNCESAHKNEGVFDRMKVALDKVIEIVTDCK
 PNGETDISSISIFGTGIKEFKMNIERALRENLVYFSKENLSVTLEVILERMEDFTDSAYTSHEHRERILELS
 TQARMELQQLISVWIQAQSKKTKSIAEELELSILKISHSLNELKKEHSTATQLAADLLKYHADHVVLKA
 LKLTGVEGNLEALAEYACKLSEKQELVETCRLLRHISGTEPLEITCIHAETQVGTGQIISAAETLTL
 HPSSKIAKENLDVFCEAWESQISDMSTLLREINDVFEGRGKEYGYLSLPKPMKNNANLKLKPKDPDSE
 EQAKIAKLGKLGLLTSDADCEIEKWEDQENEIVQYGRNMSSMAYSLYLFTRGEGPLKTSQDLIHQLEVF
 AAEGKLKTSVQAFSKQLKDDDKLMLLLEINKLIPLCHQLQTVTKTSLQNKVFLKVDKCIKTRSMALL
 VQLLSLCYKLLKLLQMENNGWVSVTNKDTMDSKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003798

ORF Size: 2202 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_003798.4](#)

RefSeq Size: 2446 bp

RefSeq ORF: 2205 bp

Locus ID: 8727

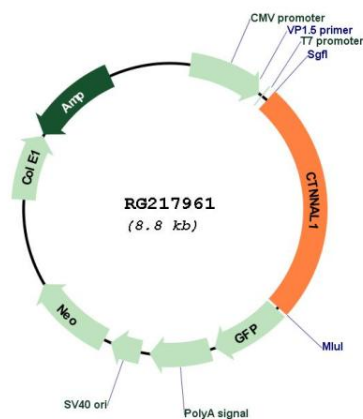
UniProt ID: [Q9UBT7](#)

Cytogenetics: 9q31.3

Protein Families: Druggable Genome

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 RG217961