

## Product datasheet for **SC117769**

### CTNNAL1 (NM\_003798) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNAL1 (NM_003798) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNNAL1
Synonyms:	ACRP; alpha-CATU; CLLP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003798, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCTCTCCCGACCCGCCGCGTTGGCGGCGCCGGAGCAGTCTACGGCTCCGGCTCTTCGGGCT
TCGCCCTCGACTCGGGACTGGAGATCAAACTCGCTCGGTGGAGCAGACGCTACTCCCGCTGGTTTCTCA
GATCACCACGCTTATTAATCATAAAGATAATACCAAAAAGTCTGATAAACTCTGCAAGCAATTCAGCGT
GTAGGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAATGAAAAC
GGGATTTGAAAGAAGAAATAAATATTGCTTGATTGAAGCTAAACAAGCAGGAGAAAACAATTGCAGCACT
TACAGACATAACCAACTGAACCATCTGGAATCTGATGGGCAGATCACAATTTTTACAGACAAAACAGGA
GTGATAAAGGCTGCAAGATTACTTCTTTCTTCAGTGACAAAAGTGTGGTGTGGCAGACCGAGTAGTCA
TTAAACAGATAATAACATCAAGAAATAAGGTTCTCGCAACTATGGAAAGACTAGAGAAAGTAATAGCTT
TCAAGAGTTTGTCCAAATATTCAAGTCAATTTGAAATGAAATGGTGGAGTTTGCACATCTGAGTGGAGAT
AGACAAAATGATTTGAAAGATGAAAAGAAAAGGCAAAAATGGCAGCAGCTAGGGCAGTTCTTGAAAAGT
GTACAATGATGCTTCTCACAGCTTCAAAGACATGTCTGAGGCATCCTAACTGCGAATCAGCCATAAAAA
CAAAGAAGGAGTATTTGACCGTATGAAAGTGGCATTGGATAAGGTCATTGAAATTTGACTGACTGTAAA
CCGAATGGAGAGACTGACATTTCACTATCAGTATTTTTACTGGAATTAAGGAATTAAGATGAATATTG
AAGCTCTTCGGGAGAATCTTTATTTTTCAGTCCAAGAGAACCTTTCTGTGACATTGGAAGTCATCTTGG
GCGTATGGAGGACTTTACTGATTCTGCCTACACCAGCCATGAGCAGAGAGAACGCATCTTGGAACTGTCA
ACTCAGGCAGAAATGGAAGTGCAGCAGTAAATTTCTGTGTGGATTCAAGCTCAAAGCAAGAAAACAAAA
GCATCGCTGAAGAAGTGGAACTCAGTATTTGAAAATCAGTCACAGTCTTAATGAACTTAAGAAAAGAACT
TCATAGTACAGCGACACAGCTGGCAGCAGATCTATTAATAACCATGCTGATCATGTGGTCTAAAAGCA
TTAAAACTTACTGGAGTAGAAGGAAATTTAGAAGCTTTGGCTGAATATGCCTGTAACCTCTGAAACAGA
AAGAGCAGCTTGTGAGACCTGTGATTGTTACGACACATATCTGGGACAGAACCTCTGGAAATAACCTG
TATACATGCAGAGGAGACATTTCAAGTGTGCTGGCCAACAGATAATTTCTGCTGCTGAAAACATTGACATTG
CATCCATCTAGTAAAATTGCTAAAGAAAACCTAGATGTATTTTGTGAAGCTTGGGAATCCCAAATAGTG
ACATGTCAACACTGCTGAGAGAAATCAATGACGTGTTTGAAGGAAGACGAGGAGAGAAAGTATGGCTACCT
TTCACTTCCAAGCCAATGAAGAATAATGCAAACCTGAAATCATTAAAGCCAGACAAGCCTGACTCTGAG
GAGCAAGCCAAGATAGCAAAGCTTGGACTTAAGCTGGGTTTGTCTCACCTCTGACGCTGACTGCGAAATTG
AGAAGTGGGAAGATCAGGAGAATGAGATTGTTCAATATGGACGGAACATGTCCAGTATGGCCTATTCTCT
GTATTTATTTACTAGAGGAGAGGGGCCACTGAAAACCTCCAGGATTTAATTCATCAACTAGAGGTTTTT
GCTGCAGAGGGTTTAAAGCTTACTTCCAGTGTTCAGCTTTTCAAACAGCTGAAAGACGATGACAAGC
TTATGCTTCTCCTGGAATAAACAAGCTAATTCCTCTATGCCACCAGCTCCAGACAGTAACTAAGACTTC
TTTGCAAGATAAAGTATTTCTAAAGTTGACAAGTGTATTACGAAGACAAGATCCATGATGGCTCTCTTA
GTCCAACCTTTTCACTTTGTTATAAACTGCTGAAGAAGCTTCAGATGAAAATAACGGATGGGTCTCAG
TTACAAAATAAGGACACTATGGATAGTAAAACCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003798 unedited</p> <pre> NGTCAAAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCGGCTGCGG GATAGACCGAGGGCCATGGCCGCCTCTCCCGGACCCGCCGGCGTTGGCGGCGCCGGAGCA GTCTACGGCTCCGGCTCTTCGGGCTTCGCCCTCGACTCGGGACTGGAGATTAAAACCTCGC TCGGTGGAGCAGACGCTACTCCCCTGGTTTCTCAGATCACCACGCTTATTAATCATAAA GATAATACAAAAAGTCTGATAAACTGCAAGCAATTCAGCGTGTAGGACAAGCTGTC AACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAATGAAAACTGGGAT TTGAAAGAAGAAAATAAATATTGCTTGTATTGAAGCTAAACAAGCAGGAGAAAACAATTGCA GCACTTACAGACATAACCAACTTGAACCATCTGGAATCTGATGGGCAGATCACAATTTTT ACAGACAAAACAGGAGTAATAAAGGCTGCAAGTACTTCTTTCTTTCAGTGACAAAAGTG TTGTTGCTGGCAGACCGAGTAGTCATTAACAGATAATAACATCAAGAAATAAGGTTCTC GCAACTATGAAAAGACTAGAGAAAGTGAATAGCTTTCAAGAGTTTGTCCAAATATTCAGT CAATTTGAAAATGAAATGGTGGAGTTTGCACATCTGAGTGGAGATAGACAAAATGATTTG AAAGATGAAAAGAAAAGGCAAAAATGGCAGCAGCTAGGGCAGTCTTAAAAAGTGACA ATGATGCTTCTCAGCTTCAAAGACATGGTCTGAGCATCCTAACTGCGAATCAGCCCAT ANNAACAAGAAGGGAGTATTGACCGTATGAAAGTGGCATGGNATAAGGTCATTGAAATG TGACTGACTGTAACCGATG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003798 unedited</p> <pre> CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGCAATTACCAAGACATTTATTAG TTGTCAAAAAGCTTTACAATCAGTTCTCTGATCAGAAAAATAGAGCAAAAATTTCAATATTG GTTTCTTTATAAAATTGATGAATTTCTGAAAAGATAAAGGATCATTTGATTTTTAAAAAT GTCAGTTCATCACATGATGTTCCAGAGATCTGACCCCAAAAGCTTCTCAAGTTTTACTA TCCATAGTGCCTTATTTGTAAGTGAAGCCATCCGTTATTTTCCATCTGAAGCTTCTTC AGCAGTTTATAACAAAGTAAAAGAAAGTTGGACTAAGAGAGCCATCATGGATCTACTCTTC GTAATACACTTGTCAACCTTTAGAAATACTTTATTCTGCAAGAAGTCTTATTTACTGTC TGGAGCTGGTGGCATAGAGGAATTAGCTTGTTTATTTCCAGGAGAAGCATAAGCTTGTC TCGTCTTTAGCTGTTTTGAAAAGCTTGAACACTGGAAGTAAGCTTTAAACCCTCTGCA GCAAAAACCTCTAGTTGATGAATTAATCCTGGGAAGTTTTTCAGTGGCCCTCTCCTCTA GTAATAAATACAGAAAATAAGCCATACTGGACATGTTCCGTCATATTGAACAATCTCA TTCTCCTGATCTTCCCCTTCTCAATTTTCGAGTACCCTCAGAAAGTGAAGCAAAACCCAC CTTAAGTCCAAGCTTTGCTATCCTAGCTTGTCTCCAGAGTCAAGCTTGCCTGCCTTAAA GATTTCAAGGTTGCATTATTTCTTCTTGCCTTTGGAATGAAAGGAACCATCCTCTTTTCT GGTTTCTTGAACAAGCCTTGATTTCTCACAAGGGTGCATGGCCTTATTCTGGATTCCA GCCTCACAAAACCACTAGGGTCTTTACAATTCTCCTAATGAGCAAGGCAAGTCTCACCC CAAATTTCTGTTGGCAGCACCGAAAGCTCCTCGACTGAT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003798
<b>Insert Size:</b>	2620 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_003798.1, NP_003789.1</u>
<b>RefSeq Size:</b>	2446 bp
<b>RefSeq ORF:</b>	2205 bp
<b>Locus ID:</b>	8727
<b>UniProt ID:</b>	<u>Q9UBT7</u>
<b>Cytogenetics:</b>	9q31.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor (ARHGEF1).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (a).