

## Product datasheet for **SC337293**

### CTNNAL1 (NM\_001286974) Human Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001286974, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCTCTCCCGACCCGCCGGCGTTGGCGGCGCCGGAGCAGTCTACGGCTCCGGCTCTTCGGGCT
TCGCCCTCGACTCGGACTGGAGATCAAACTCGCTCGGTGGAGCAGACGCTACTCCCGCTGGTTTCTCA
GATCACCACGCTTATTAATCATAAAGATAATACCAAAAAGTCTGATAAACTCTGCAAGCAATTCAGCGT
GTAGGACAAGCTGTCAACTTGGCAGTTGGAAGATTTGTTAAAGTAGGAGAAGCTATAGCCAATGAAAAC
GGGATTTGAAAGAAGAAATAAATATTGCTTGATTGAAGCTAAACAAGCAGGAGAAAACAATTGCAGCACT
TACAGACATAACCAACTGAACCATCTGGAATCTGATGGGCAGATCACAATTTTTACAGACAAAACAGGA
GTGATAAAGGCTGCAAGATTACTTCTTTCTTCAGTGACAAAAGTGTGTTGCTGGCAGACCGAGTAGTCA
TTAAACAGATAATAACATCAAGAAATAAGGTTCTCGCAACTATGGAAAGACTAGAGAAAGTAATAGCTT
TCAAGAGTTTGTCCAAATATTCAAGTCAATTTGAAATGAAATGGTGGAGTTTGCACATCTGAGTGGAGAT
AGACAAAATGATTTGAAAGATGAAAAGAAAAGGCAAAAATGGCAGCAGCTAGGGCAGTTCTTGAAAAGT
GTACAATGATGCTTCTCAGAGTTCAAAGACATGTCTGAGGCATCCTAACTGCGAATCAGCCATAAAAA
CAAAGAAGGAGTATTTGACCGTATGAAAGTGGCATTGGATAAGGTCATTGAAATTTGACTGACTGTAAA
CCGAATGGAGAGACTGACATTTCACTATCAGTATTTTTACTGGAATTAAGGAATTCAAGATGAATATTG
AAGCTCTTCGGGAGAATCTTTATTTTTCAGTCCAAGAGAACCTTTCTGTGACATTGGAAGTCATCTTGGG
GCGTATGGAGGACTTTACTGATTCTGCCTACACCAGCCATGAGCAGAGAGAACGCATCTTGGAACTGTCA
ACTCAGGCAGAAATGGAAGTGCAGCAGTTAATTTCTGTGTGGATTCAAGCTCAAAGCAAGAAAACAAAA
GCATCGCTGAAGAAGTGGAACTCAGTATTTTAAAATCAGTCACAGTCTTAATGAACTTAAGAAAAGAACT
TCATAGTACAGCGACACAGCTGGCAGCAGATCTATTAATAACCATGCTGATCATGTGGTTCTAAAAGCA
TTAAAACCTTACTGGAGTAGAAGGAAATTTAGAAGCTTTGGCTGAATATGCCTGAAACTCTGAAACAGA
AAGAGCAGCTTGTGAGACCTGTGCGATTGTTACGACACATATCTGGGACAGAACCTCTGGAATAACCTG
TATACATGCAGAGGAGACATTTCAAGTGTGCTGGCCAACAGATAATTTCTGCTGCTGAAAACATTGACATTG
CATCCATCTAGTAAAATTGCTAAAGAAAACCTAGATGTATTTTGTGAAGCTTGGGAATCCCAAATAGTG
ACATGTCAACACTGCTGAGAGAAATCAATGACGTGTTTGAAGGAAGACGAGGAGAGAAAGTATGGCTACCT
TTCCTTCCAAAGCCAATGAAGAATAATGCAAACCTGAAATCATTAAAGCCAGACAAGCCTGACTCTGAG
GAGCAAGCCAAGATAGCAAAGCTTGGACTTAAGCTGGGTTTGTCTCACCTCTGACGCTGACTGCGAAATTG
AGAAGTGGGAAGATCAGGAGAATGAGATTGTTCAATATGGACGGAACATGTCCAGTATGGCTATTCTCT
GTATTTATTTACTAGAGGAGAGGGGCCACTGAAAACCTCCAGGATTTAATTCATCAACTAGAGGTTTTT
GCTGACAGAGGTTTAAAGCTTACTTCCAGTGTTCAAGCTTTTCAAACAGCTGAAAGACGATGACAAGC
TTATGCTTCTCCTGAAAATAAACAAGCTAATTCCTCTATGCCACCAGCTCCAGACAGTAAGTAAAGCTTC
TTTGACAGAAATAAGTATTTCTAAAGTTGACAAGTGTATTACGAAGACAAGATCCATGATGGCTCTCTTA
GTCCAACCTTTTCACTTTGTTATAAACTGCTGAAGAAGAGTGAACCCAGATACTAA
    
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001286974

**OTI Disclaimer:** 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).

**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).

<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_001286974.1, NP_001273903.1</u>
<b>RefSeq Size:</b>	2610 bp
<b>RefSeq ORF:</b>	2157 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>	<p>May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor (ARHGEF1).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' terminal exon, which results in an alternate 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.</p>