

## Product datasheet for **SC116127**

### CHERP (NM\_006387) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHERP (NM_006387) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHERP
Synonyms:	DAN16; SCAF6; SRA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116127 sequence for NM\_006387 edited (data generated by NextGen Sequencing)

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ATGGAGATGCCGCTGCCCCCGATGACCAGGAGCTTCGAAATGTCATCGACAAGCTCGCC
CAGTTCGTGGCTCGCAATGGGCCGAGTTTGAGAAGATGACTATGGAGAAGCAGAAGGAC
AACCCCAAATTCGTTTCTTTTCGGAGGCGAATTCTACAGTTACTACAAGTGCAAGCTG
GCGCTGGAGCAGCAGAGCTCATCTGCAAGCAGCAGACCCCGAGCTGGAGCCAGCCGCC
ACCATGCCACCCCTGCCACAGCCCGCTGGCCCCCGCCGCCATCCCGCCGGCCACG
GGCGGCCATCCATGGACGAGCTCATCCAGCAGAGCCAGTGGAACCTCCAGCAGCAGGAG
CAGCACTTGCTGGCGCTCAGACAGGAGCAAGTGACAGCGGCCGTGGCCACGCGGTGGAG
CAGCAGATGCAGAAGCTTCTGGAGGAGACCAGCTAGACATGAACGAGTTTGACAACCTC
CTGCAGCCATCATCGACACGTGCACCAAGGACGCCATCTCGGCCGGAAGAAGTGGATG
TTCAGCAATGCCAAGTCCCGCCGCACTGTGAGCTGATGGCCGGCCACCTCCGGAACCGC
ATCACGGTGTATGGGACACTTCGAGCTGCGGCTGCACCTCATCTACCTGATCAATGAC
GTGCTGCACCACTGCCAGCGCAAGCAGGCCCGGGAGCTGTGGCCGCCCTGCAGAAGGTC
GTGGTGCCCATCTACTGCACCAGCTTCTTGCCCGTGGAGGAAGACAAGCAGCAGAAGATC
GCCCGGCTCCTGCAGCTCTGGGAGAAAAACGGCTACTTCGATGACTCCATCATTACAGCAG
CTACAGAGCCAGCCCTGGGGCTTGGTCACTACCAGGCCACCTCATCAACGAGTACTCC
TCAGTGGTCCAGCCGGTGCAGCTGGCCTTCCAGCAGCAGATCCAGACCCTCAAGACGCAG
CACGAGGAGTTTGTACCAGCCTGGCCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAG
CAGCTCCAGATGCCCGAGATGGAGGCTGAAGTCAAGGCCACGCCCTCCACCGCCTGCTCCA
CCCCGGCCCCAGCACCTGCCCTGCCATCCCGCCACCACCCAGCCTGATGACAGCAAG
CCTCCCATCCAGATGCCTGGCTCTTCAGAGTACGAAGCTCCAGGAGGGGTCCAGGATCCT
GCAGTGCCGGCCCCGGGGCCCCGGGCCACACGACCAGATCCCAACCAACAAGCCCTT
TGGTTTGACCAGCCTCACCCCGTGGCTCCTTGGGGCCAGCAGCAGCCGCCAGAGCAGCCA
CCCTACCCGCACCAACAGGGCGGCCACCCACTGCCCCCTTGAACAACAGCCATGAG
GGCATGTGGGGCAGCAGCGCGGTGACCCCGGTGGAACGGCCAGCGCGACGCGCCCTGG
AACACCAGCCCGACGCCGCTGGAACAGCCAGTTCGAGGGCCCTGGAACAGCCAGCAC
GAGCAGCCGCCCTGGGGCGGGGCCAGCGCAGCCACCTTCCGCATGCAGCGGCCCCCA
CACTTCCGGGGCCCTTCCCGCCCCACCAGCAGCACCAGCAGTTCAACCAGCCTCCGCAC
CCCCACAATTCAACCGTTCCCGCCCCGTTTCATGCAGGACGACTTCCCGCCACGGCAC
CCCTTCGAGCGGCCGCCCTATCCCACCGCTTCGACTACCCCCAGGGGACTTCCCTGCC
GAAATGGGGCCCTCACCAACCCCTGGCCACCGCATGCCTCATCTGGCATCAACGAG
CACCCGCCTTGGGCTGGACCCAGCACCCTGACTTCGGCCCTCCCCCCATGGCTTCAAC
GGGCAGCCCCACACATGCGGGCAGAGGGCCACCCACATCAACCACGATGACCCACG
CTGGTCCCAATGTGCCCTACTTCGATCTCCCTGCTGGGCTGATGGCCCCCTCGTGAAG
CTGGAAGATCACGAGTACAAGCCTTTGGACCCTAAAGACATCCGCTCCACCCCCATG
CCGCCCAGCGAGAGGCTGCTGGCTGCAGTGGAGCCTTCTACAGCCCCCGTCCCACGAC
AGGCCAGGAACAGTGAAGGCTGGGAGCAGAACGGCCTCTATGAGTTCTTCCGAGCAAAA
ATGCGGGCCCCGGGAGGAAAGGCCAGGAGAAGGAACAGCGGACCCTCGAGGTCTCGG
AGCAGATCCAAGAGTCGAGGGCGTTCTTCTCCCGCTCCAACCAAGATCCTCCAAGTCT
TCAGGCTCGTACTCAAGGTCAAGGTGCGGCTCCTGCTCCCGTTCTACTCCCGCTCCAGA
TCTAGAAGTCGGAGCAGGTGCGGCTCCTCCAGAAGCCGCTCCCGTCCAGTCGCGGTCC
CGGTCCAAGTCGTAATCCCAGGAAGAAGACGCCGGTACGGTCCAGGAGCCCCACCCCG
CCTTCTCTGCTGGTCTGGTCTAATTCGGCGCCTCCCATCCCTGACTCAAGGCTCGGA
GAAGAGAACAAAGGCCATCAGATGCTGGTGAAGATGGGCTGGAGCGGCTCAGGCGCCCTC
GGTGCGAAGGAGCAAGGGATCCAGGACCCCATCAAGGGCGGGGACGTCCGGGATAAGTGG
GACCAGTATAAAGCGTGGGCGTGGCTCTGGATGACCCCTATGAGAACTACCGCAGGAAC
AAGAGTACTCCTTCATGCCCGCATGAAGGCCAGGGACGAGTGAAGTAG
    
```

Clone variation with respect to NM\_006387.5

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006387 unedited  
 NNNGGGTTCAAAATTTGTNATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGTC  
 GATCGTGTGGCGCCGNNAGACGTTCCCCGCGGCCCGGACCATGGAGATGCCGCTGCCCCC  
 CGATGACCAGGAGCTTCGAATGTCATCGACAAGCTCGCCAGTTCGTGGCTCGCATGGGC  
 CCGAGTTTGAGAAGATGACTATGGAGAAGCAGAAGGACAACCCCAATTCGTTCCTTT  
 TCGGAGGGCAATTCTACAGTTACTACAAGTGCAAGCTGGCGCTGGAGCAGCAGCAGCTCA  
 TCTGCAAGCAGCAGACCCCGGAGCTGGAGCCAGCCGCCACCATGCCACCCCTGCCACAGC  
 CCGCGTGGCCCCGCGCCCATCCCGCCGGCCAGGGCGCGCCATCCATGGACGAGC  
 TCATCCAGCAGAGCCAGTGAACCTCCAGCAGCAGGAGCAGCACTTGCTGGCGCTCAGAC  
 AGGAGCAAGTGACAGCGCCGTGGCCACGCGGTGGAGCAGCAGATGCAGAAGCTTCTGG  
 AGGAGACCCAGCTAGACATGAACGAGTTTGACAACCTCTGCAGCCATCATCGACACGT  
 GCACCAAGGACGCCATCTCGCCGGGAAGAACTGGATGTTAGCAATGCCAAGTCCCCGC  
 CGCACTGTGAGCTGATGGCCGGCCACCTCCGGAACCGCATCACGGCTGATGGGGCACT  
 TCGAGCTGCGGCTGCACCTCATCTACCTGATCAATGACGTGCTGCACCACTGCCAGCGCA  
 AGCAGGCCCGGGAGCTGTGGCCGCTGCAGAGGTTTCGTGGTCCCATCTACTGCACCAC  
 TCTTTGGCGTGGNAGGAGACAGCAGCAAAGATCGCCCGCTCTGCAGCTCTGGGAGAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006387 unedited  
 CCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTAAAAAGGCTTTATTTG  
 AAGGCAAAACAATGAAATCCACAAGAAATTAACAACAGCACGTGTTTACGTTTTATCCTG  
 AATCATACATTTTAAACAATTCACAGCTACAGGAAATCTAGAACAAAATCAAATATTCATC  
 ACGTTGGGTTGAAAAGTTGGAAGATTTTGCATCTTATTGAAAAGATTTTCAAAAATGT  
 TTCTGTACAAATGAATGGAATTGCACCAGGCTGCCATGGACACCAGGTGTGGCCGATTC  
 CCAACGGTCACCCACCAGCTTCTGGCAGGAGCAGCTCCCTCCTGGCCTCCCTCCCTTC  
 GGGGGTGTGAAATGAAATGATGGAGTGAAGGCGCTGGCTGGGGTTCGGGCTCCATGCTCT  
 GGATGGGACTGGGCCGTGCACACGCCAGCCGGTGCAGGGTCTTCCAAGTGCAAAACTC  
 AAGCAGGGGACGCGACGGGCACAGACTCCGAGGCGAGCGTCAACCTGAAGTGCCTTAGGC  
 TGGCTTCTGTGTAATCTTGTCCAGATAACAGCAAATGGCTACATTCAGACAAAAA  
 TATCAACTTATACTAANATAACTGAACTAAGGGCCGTACGCCCTTCAAGAAATTAG  
 GTTTCAGAACTCACTGCGCCTTCTCTCAGGACAGCATTCTTTTTCTAGACCTTAACCC  
 AGGAGAGTCAAAAATGAAACCCCTGCTTTATTTTCGAGCCAAGCAAAAGCCTTGGGTCC  
 CTGTTTTTCACTCCGTGGCCCGCATGGCATTGGCCTTTGGCTTTGCCGCTTACCACGG  
 AGTGAAGCCCTGTTAAGGCCGCCCGGCCCGTACCCTGACGATAGACCCCGGGTCC  
 CGGCTCTCGCCAAGGCCACACCTATTTGTCAATGCTTCTTGGCAGCCTGGGAGAGGG  
 TCCCTTGCCTTTGGTCAATCCACTCCTACCTCCGGGTGAAATCACTTGGTCGGC  
 GGTCTGTGGCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006387

**Insert Size:**

4160 bp

**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).

**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\\_006387.4](#), [NP\\_006378.2](#)

**RefSeq Size:** 4105 bp

**RefSeq ORF:** 2655 bp

**Locus ID:** 10523

**UniProt ID:** [Q8IWX8](#)

**Cytogenetics:** 19p13.11

**Domains:** Surp, G-patch

**Protein Pathways:** Spliceosome

**Gene Summary:** Involved in calcium homeostasis, growth and proliferation.[UniProtKB/Swiss-Prot Function]