

Product datasheet for **RG205643**

CHERP (NM_006387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHERP (NM_006387) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHERP
Synonyms:	DAN16; SCAF6; SRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205643 representing NM_006387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTATGGAGAAGCAGAAGGACAACCCCAAATTCTCGTTTCTTTTCGGAGCGAATTCTACAGTTACT
 ACAAGTGAAGCTGGCGCTGGAGCAGCAGCAGCTCATCTGCAAGCAGCAGACCCCGAGCTGGAGCCAGC
 CGCCACCATGCCACCCCTGCCACAGCCCCGCTGGCCCCCGCCGCGCCATCCCGCCGGCCAGGGCGCG
 CCATCCATGGACGAGCTCATCCAGCAGAGCCAGTGAACCTCCAGCAGCAGGAGCAGCACTTGTGGCGC
 TCAGACAGGAGCAAGTGACAGCGCCGTGGCCACGCGGTGGAGCAGCAGATGCAGAAGCTTCTGGAGGA
 GACCCAGCTAGACATGAACGAGTTTGACAACCTCCTGCAGCCCATCATCGACACGTGCACCAAGGACGCC
 ATCTCGGCCGGGAAGAAGTGGATGTTGAGCAATGCCAAGTCCCCGCGCACTGTGAGCTGATGGCCGGCC
 ACCTCCGGAACCGCATCACGGCTGATGGGGCACACTTCGAGCTGCGGCTGCACCTCATCTACCTGATCAA
 TGACGTGCTGCACCACTGCCAGCGCAAGCAGGCCCGGGAGCTGCTGGCCGCCCTGCAGAAGTCTGGTGT
 CCCATCTACTGCACCAGCTTCTTGGCCGTGGAGGAAGACAAGCAGCAGAAGATCGCCCGGCTCCTGCAGC
 TCTGGGAGAAAAACGGCTACTTCGATGACTCCATCATTAGCAGCTACAGAGCCAGCCCTGGGGCTTGG
 TCAGTACCAGGCCACCCTCATCAACGAGTACTCCTCAGTGGTCCAGCCGGTGCAGCTGGCCTTCCAGCAG
 CAGATCCAGACCCCTAAGACGCAGCAGCAGGAGTTTGTACCAGCCTGGCCAGCAGCAGCAGCAGCAGC
 AACAGCAGCAGCAGCAGCTCCAGATGCCGAGATGGAGGCTGAAGTCAAGGCCACGCCTCCACCCGCTGC
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 ATCCAGATGCCTGGCTCTTCAGAGTACGAAGTCCAGGAGGGTCCAGGATCCTGCAGCTGCCGGCCCC
 GGGGCCCGGGCCACACGACCAGATCCCACCAACAAGCCCCCTTGGTTTGACCAGCCTACCCCGTGGC
 TCCTTGGGGCCAGCAGCAGCCGCCAGAGCAGCCACCCTACCCGACCCAGGGCGGCCACCCCACTGC
 CCCCCCTGGAACAACAGCCATGAGGGCATGTGGGGCAGCAGCGCGGTGACCCCGCTGGAACGGCCAGC
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 GCACGAGCAGCCGCCCTGGGGCGGGGGCCAGCGCAGCCACCCTTCCGCATGCAGCGGCCCCCACTTCC
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 GCTTCCCGCCCGCTTTCATGCAGGACGACTTCCCGCCACGGCACCCCTTCGAGCGCCGCCCTATCCCCA
 CCGCTTCGACTACCCCAAGGGGACTTCCCTGCCGAAATGGGGCCCTCACCACCACCTGGCCACCGC
 ATGCCTCATCCTGGCATCAACGAGCACCAGCCTTGGGCTGGACCCAGCACCCTGACTTCGGCCCTCCCC
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 CAGATCTAGAAGTCGGAGCAGGTCGCGCTCCTCCAGAAGCCGCTCCCGGTCCCAGTCCCGGTCCCAGTCC
 AAGTCGACTCCCAAGGAAGAAGACGCCGGTACGGTCCAGGAGCCCAACCCGCTTCTCTGCTGGTC
 TGGTTCTAATTCGCGCCTCCATTCTGACTCAAGGCTCGGAGAAGAGAACAAGGCCATCAGATGCT
 GGTGAAGATGGGCTGGAGCGCTCAGGCGCCTCGGTGCGAAGGAGCAAGGGATCCAGGACCCCATCAAG
 GGCGGGGACGTCGGGATAAGTGGGACCAGTATAAAGGCGTGGGCGTGGCTCTGGATGACCCCTATGAGA
 ACTACCGCAGGAACAAGAGCTACTCCTTCATCGCCGCATGAAGGCCAGGGACGAGTGTAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205643 representing NM_006387
 Red=Cloning site Green=Tags(s)

MTMEKQKDNPKFSFLFGGEFYSYKCKLALAEQQQLICKQQTPELEPAATMPPLPQPPLAAPAIPPAQA
 PSMDLIIQQSQWNLQQEQHLLALRQEQVTA AVAHAVEQQMQKLEETQLDMNEFDNLLQPIIDTCKDA
 ISAGKNWMFSNAKSPPHCELMAGHLRNRITADGAHFELRLHLIYLINDVLHHCQRKQARELLAALQKVVV
 PIYCTSF LAVEEDKQQKIARLLQLWEKNGYFDDSI IQQLQSPALGLGQYQATLINEYSSVVQPVQLAFQQ
 QIQTLKTOHEEFVTSLAQQQQQQQQQQQLQMPQMEAEVKATPPPPAPPAPAPAPAIPTTQPDDSKPP
 IQMPGSSEYEAPGGVQDPAAGPRGPGPHDQIPPNKPPWFDQPHPVAPWGQQQPPEQPPYPHHQGGPPHC
 PPWNNSHEGMWGEQRGDPGWNGQRDAPWNNQPDAAWNSQFEGPWNSQHEQPPWGGGQREPPFRMQRPPHF
 RGFPPPHQHPQFNQPPHPHNFNRFPPRFMQDDFPPRHPFERPPYPHRFDYPQGDFAEMGPPHHHPGHR
 MPHPGINEHPPWAGPQHPDFGPPPHGFNGQPPHMRRQPPHINHDDPSLVPNVPYFDLPAGLMAPLVKLE
 DHEYKPLDPKDIRLPPMPPSERLLAAVEAFYSPPSHDRPRNSEGWEQNGLYEF FRAKMRARRRKGQEKR
 NSGPSRSRSRSKSRGRSSRSNSRSSKSSGSYSRSRSRSCRSYSRSRSRSRSRSRSRSRSRSRSRSRS
 KSYSPGRRRRRSRSRPTPPSSAGLGSNSAPPIDPSRLGEENKGHQLVKMGWSSGGLGAKEQGIQDPIK
 GGDVRDKWDQYKGVGVALDDPYENYRRNKSYSF IARMKARDECK

TRTRPLE - GFP Tag - V

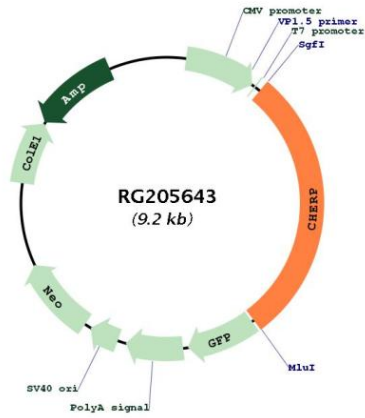
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_006387
ORF Size:	2652 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:	<ol style="list-style-type: none">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:	2751 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]

Product images:



Circular map for RG205643