

Product datasheet for SC317666

RCSD 1 (RCSD1) (NM_052862) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCSD 1 (RCSD1) (NM_052862) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCSD 1
Synonyms:	CAPZIP; MK2S4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317666 representing NM_052862. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGGAAAGACCGGCAGAGACCAATGCCAATGTGGACAACTCGGCGTCCCCCTCGGTGGCCAGCTG
 GCCGGGCGGTTTAGGGAGCAGGCGGCTGCAGCCAAGGAGACACCAGCCAGTAAACCAACCCGAAGGAAA
 CCGCCCTGTTCCCTCCCCCTGTTCCCCCAAGGTAGACCTGGGCCAGAATGGTGAGGAGAAATCACCA
 CCCAATGCGAGCCACCCTCCTAAATTCAAGGTCAAGAGCTCGCCTCTGATTGAGAAGCTTCAGGCCAAT
 TTAACCTTTGACCCAGCTGCTCTACTGCCTGGGCGCTCACCAAGAGTCTGGACTCAAGGCTATGGTG
 TCGCCATTTACAGCCACCTTCTACCCCGAGCAGCCCTGGTGTGCGATCTAGGCCAGCGAGGCAGAG
 GAGGTGCCTGTCAGCTTCGACCAGCCCCCTGAAGGCAGTCATCTGCCCTGTTACAACAAGGTGCGGACG
 AGGGGCTCAATAAAAAGGCGCCCTCCCTCCAGGCGATTCCGAAGGTCACAGTCAGACTGTGGAGAACTT
 GGAGATTTAGGGCGGTGGAGTCATCTCAGCAGAACGGTGCTAAGGAAGAGGATGGGGATGAAGTGTTG
 CCATCCAAGAGCAAGGCCCCAGGATCCCCTTTGTCCAGTGAGGGAGCAGCGGGAGAGGGAGTGAGAACC
 CTGGGACCTGCTGAAAAGCCTCCTCTGAGGAGGTACCCAGCAGGACAGAGAAGCAGGAGGAGGACAGG
 GCCACAGAGGAAGCCAAGAACGGTGAAAAGGCCAGGCGGAGTTTCAGAGGAGGTGGACGGCCAGCACCCG
 GCCAAGAGGAGGTCCCGGAATCGCCCCAGACCTCTGGCCAGAGGCAGAAAAATAGGTGTGGGAGCCCC
 AGGGAGGAAAAGCCAGCTGGAGAGGAAGCAGAGATGGAAGAGGCTACAGAGGTGAAGGGGAGAGGGTG
 CAAAATGAAGAGGTGGGACCTGAACATGACAGCCAAGAAACAAAGAAGCTGGAGGAGGGAGCTGCAGTG
 AAGGAGACCCCCACAGTCCCCCTGGAGGAGTGAAGGGCGGAGATGTCCCAAGCAGGAAAAAGGCAAG
 GAAAAACAACAGGAGGGGCGAGTCTCGAGCCAGGCTGCAGCCCCAGACCGGCCCTGCCAGCTGGAG
 ACCAGCAGTGAGGTCCAGAGCGAGCCAGCAGTCCCCAAGCCGGAGGATGACACTCCTGTCCAGGACACT
 AAAATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_052862
Insert Size:	1251 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_052862.3</u>
RefSeq Size:	3012 bp
RefSeq ORF:	1251 bp
Locus ID:	92241
UniProt ID:	<u>Q6JBY9</u>
Cytogenetics:	1q24.2
MW:	44.5 kDa
Gene Summary:	Stress-induced phosphorylation of CAPZIP may regulate the ability of F-actin-capping protein to remodel actin filament assembly.[UniProtKB/Swiss-Prot Function]