

## Product datasheet for **RC202620**

### **CSRP2BP (KAT14) (NM\_177926) Human Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | CSRP2BP (KAT14) (NM_177926) Human Tagged ORF Clone  |
| Tag:                      | Myc-DDK   |
| Symbol:                   | CSRP2BP   |
| Synonyms:                 | CRP2 binding partner; CRP2 binding protein; CRP2BP; CSRP2 binding protein; cysteine rich protein 2 binding protein; dj717M23.1; MGC15388; PRO1194 |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |



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**ORF Nucleotide  
Sequence:**

>RC202620 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGGCAATGTACAACCTGTCTCTGGAAGGAAGTGGACGTCAAGGTTATTTTCAGTGGAAGAAGATA  
 TCTGTGCTTTTATTGAGAAACATTGGACTTTTTACTAGGGAATAGGAAAAGACGTCTACCTGGTGGAG  
 CACCGTGGCAGGTTGCCTCAGCGTGGGAAGTCCCATGTACTTCCGTTTCAGGTGCTCAGGAATTTGGAGAG  
 CCAGGATGGTGGAACTTGTTCATAACAAGCCCCAACGATGAAACCTGAAGGAGAGAAGTTGTCTGCCT  
 CTACTTTGAAAATAAAAGCAGCCTCAAAACCACTTTAGATCCCATCATTACTGTTGAGGGACTTAGAAA  
 ACGAGCAAGTCCGAATCCTGTGGAATCTGCCATGGAATTTAAAGAGAAAAGGTCTCGAAGTCAAGGAGCA  
 AAAGACATTAGAAGAGCCAGAAGGAGGCCGCTGGCTTTCTTGACAGGAGCACATCTTCTACCCCTGTAA  
 AATTCATAAGCCGAGGCCGAGGCCAGATGTGATTCTGGAAAAAGCGAAGTATTGACTTTTCTCCTT  
 GAGCTCCTCTGACCGACCCCGCTGACAAGCCATCTCCTTCTCCTTCTCTGGATTTCTCTGCCCTGGT  
 ACACCTGCCTCTCATTCTGCCACACCTAGCTTGCTTTCAGAAGCAGATCTGATTCAGATGTGATGCCCC  
 CACAAGCCTTGTTTCATGATGACGATGAGATGGAAGGCGATGGAGTCATAGACCCAGGGATGGAGTACGT  
 CCCACCCCTGTGGTCACTAGCTTCTGGGCCAGTGGTTGGGGCAGAAAAGAGTTCAGAGGCCCTGAA  
 CAGATAAAGCAGGAGGTAGAGAGTGAAGGAGAAAACCCGACAGGATGGATATTGACAGTGAAGACACAG  
 ATTCAAACACATCTTTGCAAAACAAGGGCTAGAGAAAAGAGGAAGCCTCAGCTGGAGAAGGACACAAAAGCC  
 GAAAGAGCCAGGTATACTCCGTGAGCATCTACGAGGAAAAGCTGCTGCTCAAGAGGCTGGAAGCTTGT  
 CCCGGTGTGTTGCCATGACTCCGGAAGCTCGGAGACTGAAACGCAAACTGATTGTCAGACAAGCGAAAA  
 GGGATAGGGGATTACCCTTTTTGACTTGGATCAAGTTGTTAATGCTGCTTTTTGTTAGTTGACGGGAT  
 TTATGGAGCCAAAGAAGGAGGAATTTCCAGACTTCCAGCTGGACAAGCCACGTACAGAACCACCTGTCAG  
 GACTTCAGAATCCTTGACCGATACCAGACTTCTTCCGTCAGGAAGGGATTTGACACACAGACCACCA  
 AGTTTTTGTATCGCTTGGTAGGATCAGAAGATATGGCTGTGGACCAGAGTATTGTCAGCCCTTATACCTC  
 TCGGATCTTGAAACCTTATATCAGGCGTGATTATGAAACAAAGCCACCCAACTGCAGCTCCTGTACAG  
 ATTCGTTCCACCTGCACAGGAGCGACCCTCACTGGACGCCGAGCCGACGCACCTCTCGATTACTGTT  
 ATGTGCGGCCAAATCACATCCCAACGATCAACTCCATGTGTCAGGAGTTTTTTTTGGCCTGGCATTGACCT  
 GTCTGAGTGTCTGCAGTACCCAGACTTCAGTGTGTTGTTCTTTATAAAAAAGTCATCATTGCCTTTGGC  
 TTCATGGTTCTGATGTGAAATACAATGAAGCTTACATTTCAATTTCTGTTCTGTCACCCTGAATGGAGAA  
 GAGCAGGATTGCAACTTTCATGATCTATCATCTGATTACAGACCTGCATGGGCAAGGACGTAAACCCTTCA  
 CGTCTCAGCAAGCAACCCCGCTATGCTACTGTACCAGAAGTTGGATTCAAGACTGAAGAATATGTATTA  
 GATTTCTATGATAAATATTACCCATTGGAGAGTACAGAGTGTAACACGCATTCTTTCTGAGGCTCCGGC  
 GC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC202620 protein sequence  
Red=Cloning site Green=Tags(s)

MLAMYNLSLEGSGRQGYFRWKEDICAFIEKHWTFLGNNRKTSTWWSTVAGCLSVGSPMYFRSQAQEFGE  
 PGWVKLVHNKPPMTMKPEGEKLSASTLKIKAAASKPTLDPITVEGLRKRASRNPNVESAMELKEKRSRTQEA  
 KDIRRAQKEAAGFLDRSTSSTPVKFI SRGRRPDVILEKGEVIDFSSLSSSDRTPLTSPSPSPSLDF SAGP  
 TPASHSATPSLLSEADLIPDVMPPQALFHDDDEMGDGVIDPGMEYVPPPAGSVASGPPVVGGRKKVRGPE  
 QIKQEVESEEEKPDRMDIDSEDTDSNTSLQTRAREKRKPQLEKDTKPKEPRYTPVSIYEEKLLLKRLEAC  
 PGAVAMTPEARLKRKLIYRQAKRDRGLPLFDLDQVVNAALLLV DGIYGAKEGGISRLPAGQATYRTTCQ  
 DFRILDYQTSLSRKGFRHQTTKFLYRLVGSEDAVDQSI VSPYTSRILKPYIRRDYETKPPKQLLSQ  
 IRSHLHRSDPHWTPEPDAPLDYCYVRPNHIPTINSMCQEFFWPGIDLSECLQYPDFSVVLYKKVIAFG  
 FMVPDVKYNEAYISFLFVHPEWRRAGIATFMIYHLIQTCMGKDVTLHVSASNPA MLLYQKFGFKTEEYVL  
 DFYDKYYPLESTECKHAFFLRLRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6436\\_f04.zip](https://cdn.origene.com/chromatograms/mk6436_f04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177926

**ORF Size:** 1962 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:**

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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_177926.1](#), [NP\\_808779.1](#)

**RefSeq Size:** 3137 bp

**RefSeq ORF:** 1964 bp

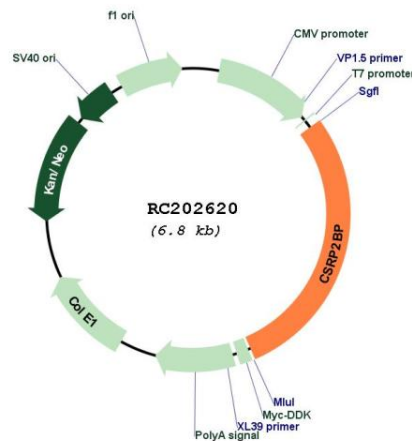
**Locus ID:** 57325

**Cytogenetics:** 20p11.23

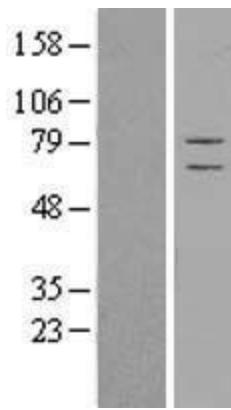
**MW:** 74.3 kDa

**Gene Summary:** CSRP2 is a protein containing two LIM domains, which are double zinc finger motifs found in proteins of diverse function. CSRP2 and some related proteins are thought to act as protein adapters, bridging two or more proteins to form a larger protein complex. The protein encoded by this gene binds to one of the LIM domains of CSRP2 and contains an acetyltransferase domain. Although the encoded protein has been detected in the cytoplasm, it is predominantly a nuclear protein. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jun 2011]

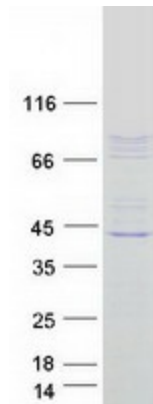
## Product images:



Circular map for RC202620



Western blot validation of overexpression lysate (Cat# [LY406090]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202620 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CSRP2BP protein (Cat# [TP302620]). The protein was produced from HEK293T cells transfected with CSRP2BP cDNA clone (Cat# RC202620) using MegaTran 2.0 (Cat# [TT210002]).