

Product datasheet for **RC203509**

CSRP2BP (KAT14) (NM_020536) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSRP2BP (KAT14) (NM_020536) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSRP2BP
Synonyms:	ATAC2; CRP2BP; CSRP2BP; dj717M23.1; PRO1194
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC203509 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAGTAGCATCCACCTGAGTAGTCTGATCAGTCGGCATGATGACGAAGCCACGAGAACATCGACCT
 CAGAAGGACTGGAGGAAGGTGAAGTGGAGGGAGAGACGCTCCTGATCGTGAATCCGAGGATCAGGCATC
 AGTGGACTTATCGCACACCAGAGTGGGGATCCCTCAACAGTGAAGGAGACGTGTCTTGGATGGAG
 GAGCAGCTGTCTACTTCTGTGACAAGTGC AAAAATGGATACCAGCCAGTCACTGAGGGAACAGCTCA
 GTTACCTTAAGGGTGATAATTTTTTTAGGTTTACTTGTTCGGATTGCTCAGCAGATGGCAAGGAGCAGTA
 TGAAAGGCTGAAGCTGACATGCCAGCAAGTCGTCATGTTGGCAATGTACAACCTGTCTCTGGAAGGAAGT
 GGACGTCAAGGTTATTTACAGGTGAAAGAAGATATCTGTGCTTTTATTGAGAAACATTGGACTTTTTTAC
 TAGGGAATAGGAAAAGACGTCTACCTGGTGGAGCACCGTGGCAGGTTGCCTCAGCGTGGGAAGTCCCAT
 GTACTTCCGTTCCAGGTGCTCAGGAATTTGGAGAGCCAGGATGGTGGAACTTGTTCATAACAAGCCCCCA
 ACGATGAAACCTGAAGGAGAGAAGTTGTCTGCCTCTACTTTGAAAATAAAAGCAGCCTCAAACCAACTT
 TAGATCCCATCATTACTGTTGAGGGACTTAGAAAACGAGCAAGTCGGAATCCTGTGGAATCTGCCATGGA
 ATTAAGAGAGAAAAGGTCTCGAACTCAGGAAGCAAAAGACATTAGAAGAGCCCAGAAGGAGGCCGCTGGC
 TTTCTTGACAGGAGCACATCTTCTACCCCTGTAATAATTCATAAGCCGAGGCCGACAGGCCAGATGTGATTC
 TGGAAAAGGCGAAGTGATTGACTTTTCTCTCTGAGCTCCTCTGACCGCACCCCGCTGACAAGCCCATC
 TCCTTCTCTCTCTGGATTTCTCTGCCCTGGTACACCTGCCTCTCATTCTGCCACACCTAGCTTGCTT
 TCAGAAGCAGATCTGATCCAGATGTGATGCCCCACAAGCCTTGTTTCATGATGACGATGAGATGGAAG
 GCGATGGAGTCATAGACCAGGGATGGAGTACGTCCCACCCCTGCTGGGTCAGTAGCTTCTGGCCAGT
 GGTTGGGGGCAGAAAAGAAGGTGAGAGGCCCTGAACAGATAAAGCAGGAGGTAGAGAGTGAGGAGGAAAAA
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 AGAGGAAGCCTCAGCTGGAGAAGGACACAAAGCCGAAAGAGCCCAGGTATACTCCCGTGAGCATCTACGA
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 TTGTTAATGCTGCTCTTTTGTAGTTGACGGGATTTATGGAGCCAAAGAAGGAGGAATTTCCAGACTTCC
 AGCTGGACAAGCCACGTACAGAACCACCTGTCAGGACTTCAGAATCCTTGACCGATACCAGACTTCTTG
 CCGTCCAGGAAGGGATTTGACACCAGACCACCAAGTTTTTGTATCGCTTGGTAGGATCAGAAGATATGG
 CTGTGGACCAGAGTATTGTCAGCCCTTATACCTCTCGGATCTTGAACCTTATATCAGGCGTGATTATGA
 AACAAAGCCACCCAAACTGCAGCTCCTGTACAGATTCGTTCCCACTGCACAGGAGCGACCCCTCACTGG
 ACGCCGGAGCCGACGCACCTCTCGATTACTGTTATGTGCGGCCAAATCACATCCCAACGATCAACTCCA
 TGTGTCAGGAGTTTTTTTGGCCTGGCATTGACCTGTCTGAGTGTCTGCAGTACCCAGACTTCAGTGTGT
 TGTTCTTTATAAAAAAGTCATCATTGCCTTTGGCTTCATGGTTCCTGATGTGAAATACAATGAAGCTTAC
 ATTTCAATTTCTGTTCTGTCACCCCTGAATGGAGAAGAGCAGGGATTGCAACTTTTCATGATCTATCATCTGA
 TTCAGACTGCATGGGCAAGGACGTAACCCTTCACGTCTCAGCAAGCAACCCCGCTATGCTACTGTACCA
 GAAGTTTGATTCAAGACTGAAGAATATGTATTAGATTTCTATGATAAAATATTACCCATTGGAGAGTACA
 GAGTGTAACACGCATTCTTTCTGAGGCTCCGGCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203509 protein sequence
Red=Cloning site Green=Tags(s)

MDSSIHLSLISRHDDEARTSTSTSEGLEEGEVEGETLLIVESEDQASVDLSHDQSGDSLNSDEGDVSWME
EQLSYFCDKQCQWIPASQLREQLSYLKGDNFRFTCSDCSADGKEQYERLKL TWQQVVMLAMYNL SLEGS
GRQGYFRWKEDICAFIEKHWTFLGNRKKSTWSTVAGCLSVGSPMYFRSGAQEFGEPEGWVKLVHNKPP
TMKPEGEKLSASTLKIKAAASKPTLDPIITVEGLRKRASRNPVESAMELKEKRSRTQEAKDIRRAQKEAAG
FLDRSTSSTPVKFI SRGRRPDVILEKGEVIDFSSLSSSDRTPLTSPSPSPLDF SAPGTPASHSATPSLL
SEADLIPDVMPQALFHDDDEMEGDGVIDPGMEYVPPPAGSVASGPVVGGRKKVGRPEQIKQEVESEEEK
PDRMDIDSEDTSNTSLQTRAREKRKPQLEKDTKPKEPRYTPVSIYEEKLLLKRLEACP GAVAMTPEARR
LKRKLI VRQAKRDRGLPLFDLDQVVNAALLLV DGIYGAKEGGISRLPAGQATYRTTCQDFRILDYQTSL
PSRKGFRHQTTKFLYRLV GSEDMAVDQSI VSPYTSRILKPYIRRDYETKPPKLQLLSQIRSHLHRSDPHW
TPEPDAPLDYCYVRPNHIPTINSMCQEFFWPGIDLSECLQYPDFSVVLYKKVIAFGFMVDPVKYNEAY
ISFLFVHPEWRRAGIATFMIYHLIQTCMGKDVTLHVSASNPAMLLYQKFGFKTEEVVLDYDKYYPLEST
ECKHAFFLRLRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6579_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_020536

ORF Size: 2346 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.

RefSeq: [NM_020536.5](#)

RefSeq Size: 3714 bp

RefSeq ORF: 2349 bp

Locus ID: 57325

UniProt ID: [Q9H8E8](#)

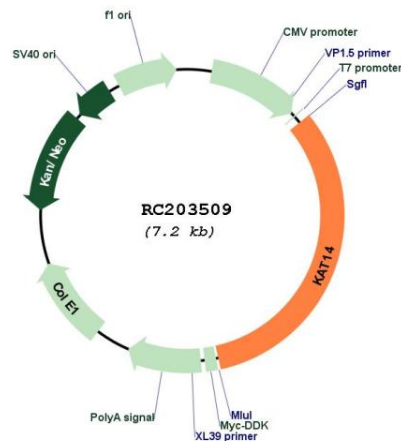
Cytogenetics: 20p11.23

Domains: Acetyltransf

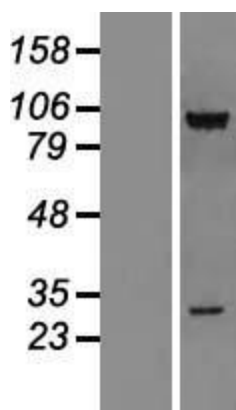
MW: 88.8 kDa

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 RC203509



Western blot validation of overexpression lysate (Cat# [LY412416]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203509 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).