

Product datasheet for **RG202620**

CSRP2BP (KAT14) (NM_177926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202620 representing NM_177926
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTGGCAATGTACAACCTGTCTCTGGAAGGAAGTGGACGTCAAGGTTATTTAGGTGGAAGAAGATA
 TCTGTGCTTTTATTGAGAAACATTGGACTTTTTACTAGGGAATAGGAAAAAGACGTCTACCTGGTGGAG
 CACCGTGGCAGGTTGCCTCAGCGTGGGAAGTCCCATGTACTCCGTTCCAGTGTCTAGGAATTTGGAGAG
 CCAGGATGGTGGAACTGTTCATAACAAGCCCCAACGATGAAACCTGAAGGAGAGAAGTTGTCTGCCT
 CTACTTTGAAAAATAAAGCAGCCTCAAAACCACTTTAGATCCCATTACTGTTGAGGGACTTAGAAA
 ACGAGCAAGTCGGAATCCTGTGGAATCTGCCATGGAATTAAGAGAGAAAAAGGTCTCGAAGTCAAGGAAGCA
 AAAGACATTAGAAGAGCCAGAGGAGGCGCTGGCTTTCTTGACAGGAGCACATCTTACCCCTGTAA
 AATTCATAAGCCGAGGCCGAGGCCAGATGTGATTCTGAAAAAGCGAAGTGATTGACTTTTCTCCTT
 GAGCTCCTCTGACCGACCCCGCTGACAAGCCCATCTCCTTCTCTCTGGAATTTCTCTGCCCTGGT
 ACACCTGCCTCTATTCTGCCACACCTAGCTTGTCTTTCAGAAGCAGATCTGATTCCAGATGTGATGCCCC
 CACAAGCCTTGTTCATGATGACGATGAGATGGAAGCGATGGAGTCATAGACCCAGGGATGGAGTACGT
 CCCACCCCTGTGGGTGAGTGTCTGGGCCAGTGGTTGGGGGAGAGGAGGTCAGAGGCCCTGAA
 CAGATAAAGCAGGAGGTAGAGAGTGGAGGAGAAAAACCGACAGGATGGATATTGACAGTGAAGACACAG
 ATTCAAACACATCTTTGCAACAAGGCTAGAGAAAAGAGGAAGCCTCAGCTGGAGAAGGACACAAAGCC
 GAAAGAGCCAGGTATACTCCCGTGAAGTCTACGAGGAAAAGCTGCTGCTCAAGAGGCTGGAAGCTTGT
 CCCGGTGTGTTGCCATGACTCCGGAAGCTCGGAGACTGAAACGCAAACTGATTGTCAGACAAGCGAAAA
 GGGATAGGGGATTACCACTTTTGAAGTGGATCAAGTTGTTAATGCTGCTTTTGTAGTTGACGGGAT
 TTATGGAGCCAAAGAAGGAGGAATTTCCAGACTTCCAGCTGGACAAGCCACGTACAGAACCACTGTCAG
 GACTTCAGAATCCTTGACCGATACCAAGTCTTCTGCGTCCAGGAAGGGATTTTCAGACCAAGACCA
 AGTTTTTGTATCGCTTGGTAGGATCAGAAGATATGGCTGTGGACCAAGATTTGTCAGCCCTTATACCTC
 TCGGATCTTGAAACCTTATATCAGGCGTGAATATGAACAAAGCCACCCAACTGCAGCTCCTGTACAG
 ATTCTGTTCCCACTGCACAGGAGCGACCTCACTGGACGCGGAGCCGACGACCTCTCGATTACTGTT
 ATGTGCGGCCAAATCACATCCCAACGATCAACTCCATGTGTGAGGAGTTTTTTGGCCTGGCATTGACCT
 GTCTGAGTGTCTGAGTACCCAGACTTCAGTGTGTTGTTCTTTATAAAAAAGTCATATTGCCCTTGGC
 TTCATGTTCTGATGTGAAATACAATGAAGCTTACATTTTCTGTTCTGTCACCCCTGAATGGAGAA
 GAGCAGGGATTGCAACTTTCATGATCTATCATCTGATTGAGACCTGCATGGGCAAGGACGTAAACCTTCA
 CGTCTCAGCAAGCAACCCGCTATGCTACTGTACCAGAAGTTTGATTCAAGACTGAAGAATATGTATTA
 GATTCTATGATAAATATTACCATTTGGAGAGTACAGAGTGTAACACGCACTTTTCTGAGGCTCCGGC
 GC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202620 representing NM_177926
 Red=Cloning site Green=Tags(s)

MLAMYNLSLESGRQGYFRWKEDICAFIEKHWTFLGNRKKTSTWWSTVAGCLSVGSPMYFRSGAQEFGE
 PGWKKLVHNKPPMTMKPEGEKLSASTLKIKAAASKPTLDPIITVEGLRKASRNVPESAMELKEKRSRTQEA
 KDIRRAQKEAAGFLDRSTSPVKFISRRRPDVILEKGEVIDFSSLSDDRTPLTSPSPSPSLDFSAPG
 TPASHSATPSLLSEADLIPDVMPQALFHDDDEMGDVIDPGMEYVPPAPGSAAGPVPVGGRRKKVRGPE
 QIKQVESEEEKPDMDIDSEDTSNTSLQTRAREKRKPQLEKDTKPEPRYTPVSIYEEKLLLRLEAC
 PGAVAMTPEARRLKRKLIVRQAKRDRGLPLFDLDQVVNAALLVDGIYGAKEGGISRLPAGQATYRTTCQ
 DFRILDYQTSLSRKGFRHQTTKFLYRLVGSEDMVDQSI VSPYTSRILKPYIRRDYETKPPKLQLLSQ
 IRSHLHRSDPHWTPEPDALDYCYVRPNHIPTINSMCQEFFWPGIDLSECLQYPDFSVVVL YKKVIAFG
 FMVPDVKYNEAYISFLFVHPEWRRAGIATFMIYHLIQTCMGKDVTLLHVSASNPAMLLYQKFGKTEEYVL
 DFYDKYYPLESTECKHAFFLRLRR

TRTRPLE - GFP Tag - V

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

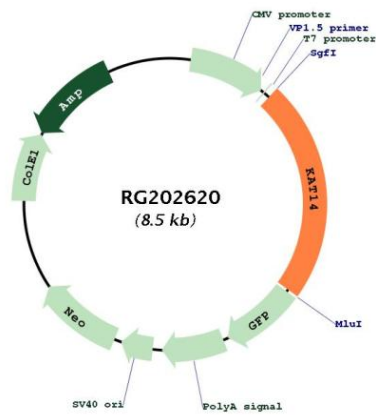
RefSeq ORF: 1964 bp

Locus ID: 57325

Cytogenetics: 20p11.23

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 RG202620