

Product datasheet for **MG210607**

Csrp2bp (BC031563) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csrp2bp (BC031563) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csrp2bp
Synonyms:	2510008M08Rik; ATAC2; AU023459; D2Ertd473e; D2Wsu131e; E430020F17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210607 representing BC031563
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATAGTAGCATCCACCTGAGTGGGCTCCTCAGTCGGCATGACGATGACGCCACGAGAACGTCCACCT
 CGGAAGGGCTGGAGGAAGGCGAGGTGGAGGGAGAGACTCTCTAATTGTGGAATCGGAGGATCAGGCGTC
 AGTGGACTTATCTCACGACCAGAGTGGGATTCCCTCAACAGCGATGAAGGAGATGTGTCTGGATGGAG
 GAACAGCTGTCTTACTTCTGTGACAAGTGCCAAAAGTGGATCCCAGCCAGTCAGCTGAGGGAGCAGCTCA
 GTTACCTGAAGGGGGATAACTTTTTAGGTTTACTTGTTCGATTGCTCTGCAGACGGCAAGGAGCAGTA
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 TTATTTCCGGTCAGGTGCTCAGGAGTTTGGAGAGCCCGGATGGTGGAACTTGTTCATAACAGACCCCCA
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 CTCGACAGGAGCACCTCTTCCACTCCCCTCAAGTTCATAAGCCGAGGCCGGAGGCCGGATCTGATTTTGG
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 CTTCAAGACCGAGGAGTATGTTTGGATTTTATGATAAGTATTACCCGCTGGAGAGTACGGAGTGTAAG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

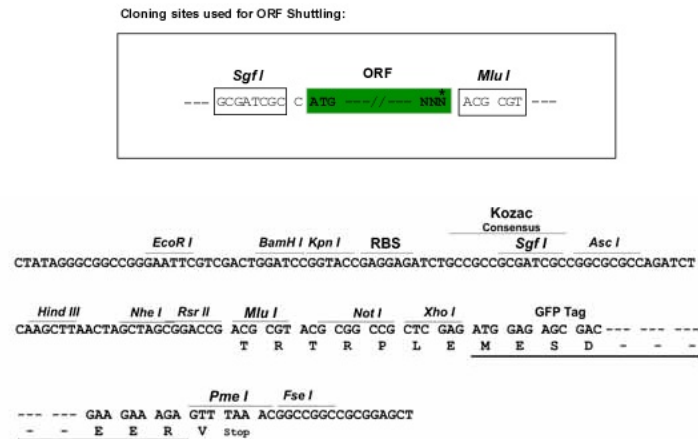
Protein Sequence: >MG210607 representing BC031563
 Red=Cloning site Green=Tags(s)

MDSSIHLGSLLSRHDDDATRTSTSEGLEEGEVEGETLLIVESEDQASVDLSHDQSGDSLNSDEGDVSWME
 EQLSYFCDKCQKWIPASQLREQLSYLKGNFRRFTCCDCSADGKEQYERLKL TWQQVVMLAMYNLSLEGS
 GRQVYFRWKEDICAFIEKHWTFLGNRKKSTWSTVAGCLSVGSPVYFRSGAQEFGEPEGWWKL VHNRP
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 LDRSTSTPVKFI SRGRRPDLILEKGEVIDFSSLSSSDRTPLTSPSPSPSLDFSAPGTPASHSATPSLLS
 EADLIPDVMPQALFHDDDELEGDGVIDPGMEYIPPPAGSASGLLGSRKKVRAPEQIKQEVDSEEEKPDR
 MDGSEDSTDSNISLHTRAREKRKPPLEKDMKPKGPRYTPVSIYEEKLLLRLEACPGAVAMTPEARLRKR
 KLIVRQLKRDRGLPLFDLDEVVNAALLVDGIYGA KDGGASRLAAGQATYRTTCQDFRILDYQTALPAR
 KGFRHQTRFLYRLVGSEDLAVDQSIISPYTSRILKPYIRRDYETKPKLQLLSQIRSHLHRSDPHWTPG
 PDAPLDYCYVRPNHIPTINSMCQEFFWPGIDLSECLQYPDFSVVLYKKVIVAFGMVPDVKYNEAYISF
 LLVHPEWRRAGIATFMIYHLIQTCMGKDVTLHVSASNPAMLLYQKFGFKTEEVLDYDYKYPLESTECK
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031563

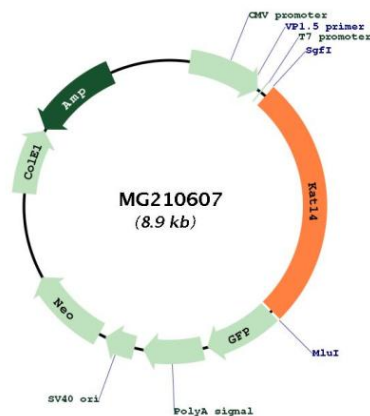
ORF Size: 2339 bp

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:	<u>BC031563, AAH31563</u>
RefSeq Size:	3741 bp
RefSeq ORF:	2339 bp
Locus ID:	228714
Cytogenetics:	2 71.01 cM
Gene Summary:	Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. May function as a scaffold for the ATAC complex to promote ATAC complex stability. Has also weak histone acetyltransferase activity toward histone H4. Required for the normal progression through G1 and G2/M phases of the cell cycle (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210607