

Product datasheet for MR205796

Brap (BC038490) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brap (BC038490) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brap
Synonyms:	3010002G07Rik; BRAP2; IMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205796 representing BC038490 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTGCAATGGCCGCCAGTTCAACTCAATCGAAGATGACGTCTGCCAGCTGGTCTATGTGGAAGGG
CTGAAGTGCTGAAATCTGAAGATGGCGCCAGCCTCCCCGTGATGGACCTGACGGAGCTGCCCAAGTGCAC
TGTGTGTCTGGAGCGGATGGACGAGTCTGTGAATGGCATCCTCACCACCCTCTGCAACCACAGTCCAT
AGTCAGTGTCTGCAGCGGTGGGATGACACCACGTGTCTGTGTGCCGATACTGTCAAACGCCAGAGCCAG
TGAAGAAAACAATGTTTTGAGTGTGGTGTCCAGGAAAACCTCTGGATTGTTTAAATATGCGGCCACAT
AGGCTGTGGGCGGTACGTGAGTCGGCATGCTTACAAGCACTTTGAGGAGACCCAGCACACATACGCCATG
CAGCTCACCAACCATCGAGTCTGGGACTATGCTGGAGATAAATTATGTCCATCGACTGGTTGCAAGCAAGA
CGGATGGAAGATCGTTCACTACGAGTGTGAGGGCGACACCTGCCAGGAAGAGAAGATAGATGCCTTACA
GTTAGAGTACTCGTACCTGTTGACAAGCCAGCTGGAATCGCAGCGGATATACTGGGAGAACAAAATCGTG
CGCATAGAGAAGGACACGGCAGAGGAGATTAACAACATGAAGACCAAGTTTAAAGAGACCATCGAGAAGT
GTGACAGCCTGGAGCTCAGGCTCAGTGACCTCCTGAAGGAGAAGCAGTCTGTGGAAGGAAGTGTACCCA
GCTGAACACCAGAGTGGCCAAGCTCAGCACGGAGCTGCAGGAGGAGCAGGAGCTGAACAAGTGTCTGCC
GCCAACCCAGTGGTGTCTGAGAACCAGCTCAAGGAGGAGGAGAAGCTGCTGAAGGAGACCTGTGCCAGA
AAGACCTGCAGATCACCGAGATCCAGGAGCAGCTGCGCGATGTCATGTTCTACCTGGAGACACAGCAGCA
GATCAGCCACCTGCCTGCGGAGACGAGGACAGGATCCAGGAAGGCCAGATCAACATCGCCATGGCCTCA
GCGCCCAACCCACCTCTCCGGGGCCGGTGGGAAGCTGCAGTCCAGAAAGGGCCGAGCAAGAGGGGCA
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205796 representing BC038490
Red=Cloning site Green=Tags(s)

MACNGRQFNSIEDDVCQLVYVERAEVLKSEDGASLPVMDLTELPKCTVCLERMDES VNGILTTLCNHSFH
 SQCLQRWDDTTCPVCRYCQTPEPVEENKCFECGVQENLWICLIGHIGCRYVSRHAYKHFEETQHTYAM
 QLTNHRVWDYAGDNYVHRLVASKTDGKIVQYECEGDTQCQEEKIDALQLEYSYLLTSQLESQRIYWENKIV
 RIEKDTAEEINMKTkFKETIEKCDLRLSDLLKEKQSVKCTQLNTRVAKLSTELQEEQELNKCLR
 ANQLVLQNLKKEEKLLKETCAQKDLQITEIQEQLRDVMFYLETQQQISHLPAETRQEIQEGQINIAMAS
 APNPPSSGAGGKLQSRKGRSKRGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9036_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: BC038490

ORF Size: 1122 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: [BC038490.1](#)

RefSeq Size: 3135 bp

RefSeq ORF: 1124 bp

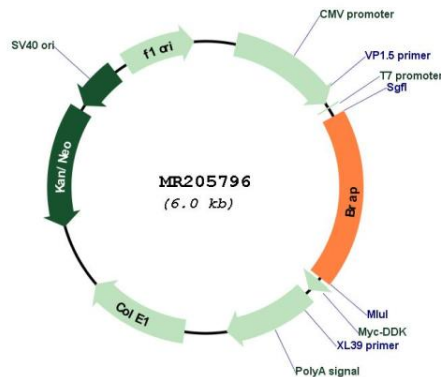
Locus ID: 72399

Cytogenetics: 5 F

MW: 115 kDa

Gene Summary: Negatively regulates MAP kinase activation by limiting the formation of Raf/MEK complexes probably by inactivation of the KSR1 scaffold protein. Also acts as a Ras responsive E3 ubiquitin ligase that, on activation of Ras, is modified by auto-polyubiquitination resulting in the release of inhibition of Raf/MEK complex formation. May also act as a cytoplasmic retention protein with a role in regulating nuclear transport (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205796