

Product datasheet for MR205437

Akap8l (BC051015) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Akap8l (BC051015) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Akap8l |
| Synonyms: | HAP95; Nakap95 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR205437 representing BC051015 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTACACAGGTTTTGTCCAAGGATCCGAAACCACTTTGCAGTCTACGTACTGTGACACCAGTGCC
AGCCCACTGTGATTATGGATATGGAACCTGGAACCTCTGGGACAAATAGAGGCTACGAGAATATGGTTA
TGGCTATGGCTATGGCCAGGATAACACCACCAACTATGGGTATGGTATGGCCACTCACACTCTTGGGAA
ATGGCTAGCTCTGACACAAATGCAAACCCTAGTGCCTCGGGTAGCGCCAGTGCCGATTCCGTTTTATCCA
GAATTAACCAGCGCTTAGATATGATGCCGCACTGGAGACAGACATGATAACAAGGAGGTGTGTACGGCTC
AGGTGGTGGAGAGAGATATGACTCCTATGAGGCCCTGTGACTCAAGGGCCATCCTGAGTGAACGAGACCTC
TACCGGTCAAGCTATGACTATGGCGAGCTTGACCTGAGATGAAATGGCCTATGAGGGCCAATATGATG
CCTACCGTGACCAGTTTCGAATGCGTGGAGGAGATACATTTGGTCCAAGGGCTCAGGGCTGGGCCCGGGA
TGCCCGGAGTGGACGGCCAATGGCCTCGGGCTATGGGCGCATGTGGGAAGATCCCATGGGGCCCGGGG
CAGTGATGCCTGGTGCCTCCGGCTGCCCTCCCTCTTCTCCAGAACATCATACCCGAGTATGGCATGT
TCCAGGGCATGCGTGGTGGGGTGCCTTCTCTGGTGGCTCCCGATTTGGCTTTGGATTTGGCAATGGCAT
GAAGCAGATGAGGCGTACCTGGAAGACCTGGACCACAGCCGACTCCGGACCAAAAAGAAGAAGAGAAA
CAGGGTGGCAGTCTGATGAGCCAGACAGCAAAGCTACCAGAACAGACTGCTCAGACAACAGTGAATCAG
ACAATGATGAAGCACTGAGGGGGAAGCTGCAGAGGGTACTGAAAGTGCTGAGGCTATGGAGAAAAGGCTC
CCGAGCAGAAGGAGAAGACGAGGAGGAAAAGAGGATGGGAGAGAAGGCAAGAAGATTCGGAGAAAAGT
AAGTCTTCCATGGTTACC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205437 representing BC051015
 Red=Cloning site Green=Tags(s)

MSYTGfVQgSETTLQSTYCDtSAQPTCDYGYGTWNSGTNRGYENYGYGYGQDNTTNYGYGMATSHSWE
 MASSDTNANPSASGSASADSVLSRINQRLDMMPHLETDMIQGGVYSGGGERYDSYEACDSRAILSERDL
 YRSSYDYGELDPEMEMAYEGQYDAYRDQFRMRGGDTFGPRAQGWARDARSGRPMASGYGRMWEDPMGARG
 QCMPGASRLPSLFSQNI IPEYGMFQGMRRGGAFSGGSRFGFGNGMKQMRRTWKTWTTADFRTKKKKRK
 QGGSPDEPDSKATRTDCSDNSDSDNDEGTEGEAAEGTESAEAMEKGSRAEGEDEEGKEDGREGKEDSEKQ
 KSSMVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC051015

ORF Size: 1068 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: [BC051015](#)

RefSeq Size: 4479 bp

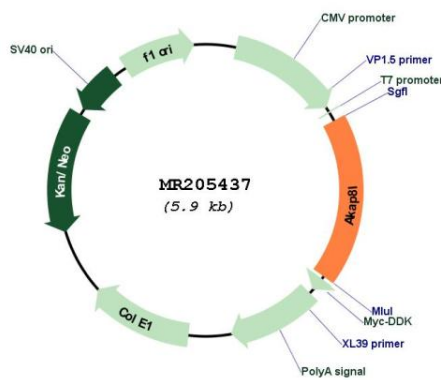
RefSeq ORF: 1070 bp

Locus ID: 54194

Cytogenetics: 17 B1

MW: 164.2 kDa

Product images:



Circular map for MR205437