

Product datasheet for MR211827

Akap6 (BC057114) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Akap6 (BC057114) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Akap6 |
| Synonyms: | AI482140; Akapalpha; Akapbeta; PRKA |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR211827 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTAACCATGAGTGTGACCCTTTCCCACTGCGGTCCAGGACCCAGACCCCATGGCGACTGATGCCT
CGCCCATGGCCATCAACATGACACCTACCGTGGAGCAGGAGGAAGGAGAGGGAGAAGAGGCCGTGAAGGA
CGTGGGTGCTGAGCAGCAGTATGAAAGCCACCTCCACTCCACACAGCAGCCGACTGGAAGATTGCCTG
CACTTACCTGAGATTGAGACCTGGCTCCGATGACCTCAGAGAGGGTCCGTGACCTAACCTACTCGGTCC
AGCAGGATGCAGACAGCAAGCATGTGGATGTGCATCTAGTTCAGCTAAAGGATATTTGCGAGGATATTT
CGACCAGTGGAGCAGATCCATGCCCTCCTTGAGACGGAGTTCTCCTGAAGCTGCTGTCCTACTCGGTC
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ATTCTCTGAAGAAACAACAGAGGGCCGGCTTGACTCCCTCACAGAAGTGGACGACTCTGGGCAGTAACT
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CAAGTGAGGATCTGCTTGGTGGCTGGGCGACATGACCACTAGCCAGGCCAAAATAAATCGTTTGACTC
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TTCTTAGGGGACACACTGACAAACGCTGCTGAACACCCTCCGGAGACAGCAAACCAAGACTCTACTTCC
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GCGATTGCTTTAATTATAACGAGGACTCTCCACGCAGCCACATTGCCAAAAGAGGGCTATTTCTAAA
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AAACCGCGACTGAAAAAGCCTCACAAAGACCTTGGCCGAGGTGTCCCTGTGCAAAATACCTAAACGGGGAA
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TATCATCACTGCCTCCTGCCACGTTGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211827 protein sequence
 Red=Cloning site Green=Tags(s)

MLTMSVTLSPQRSQDPDPMATDASPMAINMPTVEQEEGEGEEAVKDVGAEEQQYGGKPPPLHTAADWKIVL
 HLPETIETWLRMTSERVRDLTYSVQQDADSKHVDVHLVQLKDICEDISDHVEQIHALLETEFSLKLLSYSV
 NVIVDIHAVQLLWHQLRVSVLVLRERILQGLQDANGNYTRQTDILQAFSEETTEGRDLSL TEVDDSGQLT
 IKCSQNYLSLDCGITAFELSDYSPSEDLGLGDMTTSQAKTFSWYSYSEMEKEFPPELIRSVGLLTVA
 TEPVPSSCGAANEDSSQVILSEDRGGHEEDGALEPGEQLGSTLETSSLGDTLTNAAEHPPETANQDSTS
 SPQLGAKKSQPGPCEMMTPKRSIRD CFNYNEDSPTQPTLPKRGLFLKETLKNERRGSDGKGRVVDLKPEL
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 IASSLGESIESGPLSDILSDEDLCMPLSGMKKFTDEKSERPSSSEKNESHSAKLSALIQKLMKDIQHODN
 YEAIWERIEGFVNKLDEFIQWLNEAMETTENWTPPKAETDSLRLYLETHLSFKLNVDSHCALKEAVEEEG
 HQLLELIASHKAGLKDMLKMIASQWKELOQRQIKRQHSWILRALDTIKAEILATDVSVEDEEGTGSPKAEA
 QLCYLEAQRDAVEQMSLKYSEQYTSGSKRKEEFADMSKAHSVGNLLDFDSEYQELWDWLDIMESLVM
 DSHDLMSEEQQHLKYRYSEVMSIRHLKKTLLSKVEALKKGGLSLPNDILEKVDSEINEKWEKLTGR
 EKIQDTMAGHSGSGPRDLLSPESGSLVRQLEVRKELKRWLRDTELFIFNSCLRQEKEGTSAEKQLQYFK
 SLCHEIKQRRRGVASILRLCQHLLDDRDTCNLNADHQPMQLIIVNLERRWEAIVMQAVQWQTRLRKKMGK
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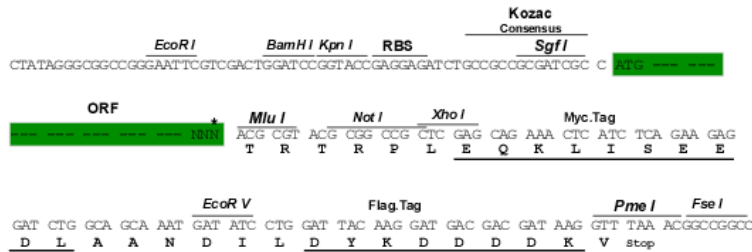
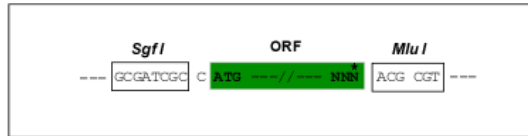
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

BC057114

ORF Size:

3672 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: [BC057114](#), [AAH57114](#)

RefSeq Size: 4604 bp

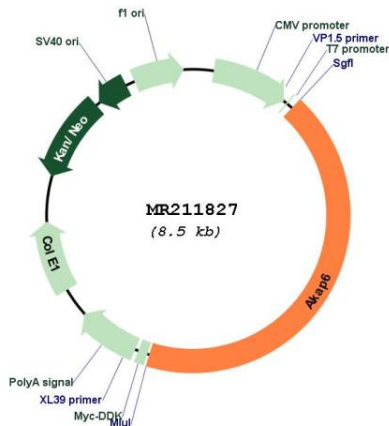
RefSeq ORF: 3674 bp

Locus ID: 238161

Cytogenetics: 12 C1

MW: 136.4 kDa

Product images:



Circular map for MR211827