

Product datasheet for **RR210104**

Akap6 (NM_022618) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akap6 (NM_022618) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Akap6
Synonyms: mAkap
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210104 representing NM_022618
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**GCGATCGCC**

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Protein Sequence:

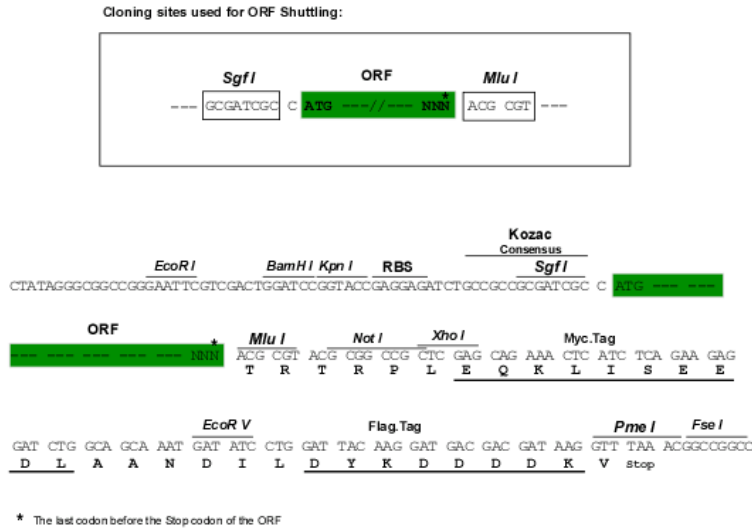
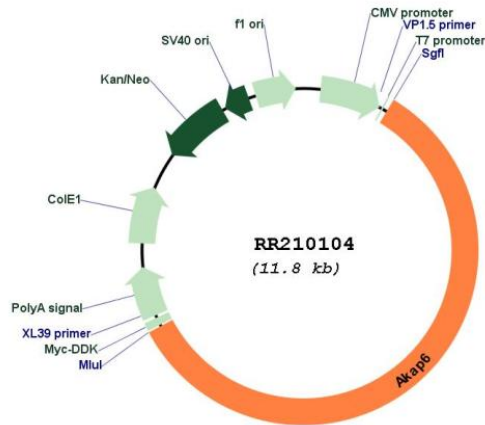
>RR210104 representing NM_022618
 Red=Cloning site Green=Tags(s)

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 PSGKANAEGRSRMQGVSATPEENAASAKPKIQAFSLNAKQPKGKVAMRYSPQTLTCKEKL VNFHEDRHS
 NMHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_022618

ORF Size: 6942 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: [NM_022618.1](#), [NP_072140.1](#)

RefSeq Size: 8827 bp

RefSeq ORF: 6945 bp

Locus ID: 64553

UniProt ID: [Q9WVC7](#)

Cytogenetics: 6q23

MW: 254.4 kDa

Gene Summary: nuclear membrane anchoring protein; involved in compartmentalizing cAMP-dependent protein kinase and other signaling molecules [RGD, Feb 2006]