

Product datasheet for **RR212692**

Akap8 (NM_053855) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap8 (NM_053855) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akap8
Synonyms:	Akap95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212692 representing NM_053855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAAAGCTACGGAGTTATGGGGCATGGAGTGCTGGACCTGCCAACACCCAGGGTACATATGGAA
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 AGGAACACCCATAGTTATGGCCAGCCTCGTGGGAGGCCACCAAGGCCAGTGATGGTGGCCTGGCAGCT
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 CAGCAGCCCGGAAGCCAGTACCTGTATAGCCATCCAGGAATCCTGGAAGATGAGCTGGAACAAAC
 TGATGCAGAGGCCAAAGATACTCCACAGAA

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212692 representing NM_053855
Red=Cloning site Green=Tags(s)

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MEQSYGGYGAWASAGPANTQGTYSGVASWQGYENYSYNAQNTSVPTGTPYSYGPASWEATKASDGLAA
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RIRDWPRRRRGERFERFGPDNMGRKRKPFPLYEEPDAKLARADSEGDLSENDDGAGDLRSGDEEFRGEDDLCD
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QLLQRHLHSDVHNHNRRLAAEQFKTSLHVAKSVLNNKHIVKMLEKYLKGEDPFVNETADLETEGDENLG
EEKETPEEVAEVLAEVITA AVKAVEGDGEPAAEHSDVLA EVEGVPVDTAEAGSDSHTGKLLLEQT CETAS
ETRNMEDMARGEAAEARNEAAVPA AAAAGSPVPVIAIPGILEDELEQTDAEAKDTPTE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_053855

ORF Size: 2061 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_053855.1](#), [NP_446307.1](#)

RefSeq Size: 3438 bp

RefSeq ORF: 2064 bp

Locus ID: 116633

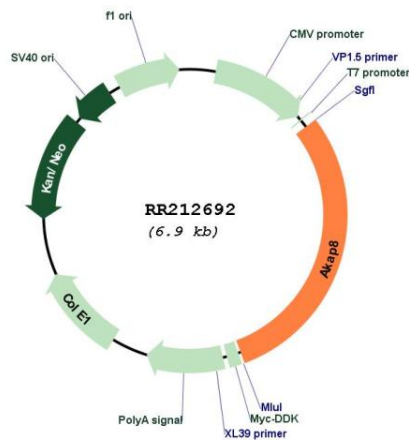
UniProt ID: [Q63014](#)

Cytogenetics: 7q11

MW: 76.2 kDa

Gene Summary: scaffolding protein that is involved in targeting type II cAMP-dependent protein kinase for cAMP-responsive nuclear events [RGD, Feb 2006]

Product images:



Circular map for RR212692