

Product datasheet for **RR209498**

Aff4 (NM_001107001) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aff4 (NM_001107001) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Aff4
 Synonyms: Laf4l
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209498 representing NM_001107001
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCGTGAAGACCGGAATGTGCTGCGCATGAAAGAAAGGAAAGCGGAATCAGGAAATTCAGCAGG
 GTGAAGACGCCTCCACCTAGTTCTCCTCTTTGCTGAGCCGTACAAAGTTACTAGCAAAGAAGATAA
 GTTATCAAGTCGATTCAGAGTATGCTTGAAACTACGATGAAATGAAGGATTACATAGGAGACAGATCT
 ATACCAAAGCTTGTGCAATCCCAAGCCTGCAGTACCGACGACAACAGACGAGAAAAGCAAACCCAAATT
 TTTTTGAACAGAGACATGGAGGATCTCATCAGAGTAGCAAGTGGACTCCTGTAGGACCTGCACCCAGCAC
 CTCTCAGTCTCAGAAGCGCTCCTCTGGCTTGACAGTGGACACAGTAGCCAGCGGAGCAGTGCAGGTGGG
 AGTGGCGCTAGTGGTAGTGGCCAGAGGCATGACCGTGACTCCTACAGCAGTAGCAGGAAAAAGGCCAGC
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 CCTGATGCCAACTGGGATTCCTTCCCGGTACCTTTTTCAAGTGGCAACATTCAAGTCAGTCTTTCC
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CCACTCCGGGACGAGACTCTAAAACATCCAAAAAGGATCAGAAAAGTGGCCGTGGGAGGCAGAAGTCTCC
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CCTCCAGCAGGCATAAGGCAGCCACCAAGGGCTCAAGGAACTAACATCAAAAAGGAGTCGAAATCTTC
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CTCATCTTAAATGCAAGCATCATGACAGATCTGGCTCGTTACACCCGGCAGGGACTGCATTGGCTTCGGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209498 representing NM_001107001
 Red=Cloning site Green=Tags(s)

MNREDRNLVLMKERERRNQEIQQGEDAFPPSSPLFAEPYKVTSKEDKLSSRIQSMLGNYDEMMDYIGDRS
 IPKLVAIKPAVPTTTDEKANPNFFEQRHGGSHQSSKWTPVGPAPSTSQSQRSSGLQSGHSSQRSSAGG
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 LIVKIDLNLLTRIPGKPYKETEPKGEKKNVPEKHSREVQKQASEKASNKGRKHKNDNDRASEKPKPK
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 SSKSTSSTAKQKTEGKVSSSSKEAKEAPNSSNCPPSTPTPDSKPRRTKLAFFDRNYSADHYLQEA
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 ADKRLTVLCLRCQSLLYLRLFKLKENALKYSKTLTEHLKNSYSNSQAPSPGLGSKAVGMPSPVSPKLS
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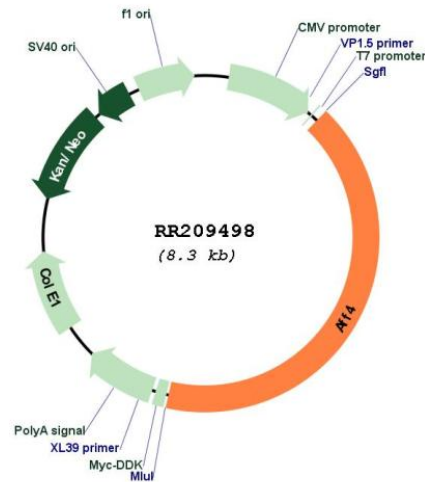
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107001

ORF Size: 3450 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_001107001.1](#), [NP_001100471.1](#)

RefSeq Size: 10169 bp

RefSeq ORF: 3453 bp

Locus ID: 303132

Cytogenetics: 10q22

MW: 125.7 kDa