

Product datasheet for MR224317

Aff3 (NM_010678) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aff3 (NM_010678) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aff3
Synonyms:	3222402O04Rik; A730046J16; LAF-4; Laf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224317 representing NM_010678 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCTTCGACTTAGCCCTGCTCCAGGAATGGGACCTCGAGTCGCTGTGTCTATGAACCGGACA
GGAATGCGTTACGGAGGAAAGAGCGAGAAAGAAGAAGTCAAGAAACACAGCAGGACAGTGGCAGCTTTAA
CTCCGGTTACTCGCTCTCAGCGAACCTACAAGACGAACAAGGGGGATGAACTCTCAACCGGATCCAG
AATACATTAGGAAATTATGATGAGATGAAAGACTTTTTAACTGATAGATCCAACCGAGTCATCTTGTTG
GCGTCCCCAAGCCAGGTGTCCTCAGACTCCCGTGAACAAGATAGATGAGCATTTGGGGCAGAGTCGAG
AGCCCAGCCCCAGCCCTCAACCGTCTGCAGCACTGCGTCCTCTACACCTGCAGCTGTCCCTGTGCAGCAG
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GGCCCGGAAAGGAATCAATACTACACGCCGCGGTGAAAGATGAAGGGCAAGACTGCGGGAAACTTCCTG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224317 representing NM_010678
 Red=Cloning site Green=Tags(s)

MDSFDLALLQEWDLESLCVYEPDRNALRRKERERRSQETQQDSGSFNNGYSLFSEPYKTNKGDELSNRIQ
 NTLGNYDEMKDFLTDRSNQSHLVGVKPKGVPQTPVNKIDEHFAGESRAQPQPSTVCSTASSTPAAPVQVQ
 GKRGAMGWQKAGHPPSDGQQRAAQGSLRLLGDGVRQQTRAKQVCNMETGLQTQERPPAMAACHGGSG
 HCVQNFPPSLASKPSLVQKQPTAYVRPMDGQDQAPDESPKLSSTETAVHCTAYRQVVPANKPESARAKAK
 LAKFSIPKQAEESRSGENNSCVVEIIREMTWLPPLSAIQAPAKVEPSKFFPFPNKDQLVSSGHSNPKKAD
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 SSSSSDSESTSGDSETESSSSSESESGKPPHCSSPEAEPASSNKWQLDKWLNKVNPHKPPILIQNESH
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 AALPPAVPSAPTESAPAPTRRSAGKKPTRRTERTSAGDGANCHRPEEPVAPDTLGASVVGPLEPPKTRPC
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 QRLKEAASSNNNSNSNSSTSRASVGSINARTTSDIAKELEEYFYLVPFGRNELLSPDKDSEVRSVLVWK
 IDLTLLSRIPEHLSQEPGVL SAPSAKDTDSAPASHALDAPAEKTLPKSKRKRKCDNEDDYREIKKVQGRK
 ESASRLAASNNTLSGNHCNVNNSLAIPINKNEKMLRSPTSPLSDTCKHKYASEDLTSSSRPHGNLLT
 SASSNKEPKAESQLQTIAGDLTKASHNSSENGLHHSKSRPQTEPWSPGNSNGHRDCKRQKLIFFDMPRSAD
 YFMREAKRMKHKADAMVEKFGKALNYAEALSFIECGNAMEQGPMEKSPYTMSETVELIRYAMRLKTH
 SGPNATPEDKQLAALCYRCLALLYWRMFLKRDHAVKYSKALIDYFKNSSKAAQAPSPWGSSSGKSTGSPS
 PMPNPNPASSVGSQGSLSSSSGLSPSTIVSIPQRIHQMAANHVSIITNSILHSYDYWEMADNLAKENREF
 FNDLDDLMLGVPVTLHSSMEHLVQYSQQGLHWRSSVHLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010678

ORF Size: 3684 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_010678.2](#), [NP_034808.2](#)

RefSeq Size: 6010 bp

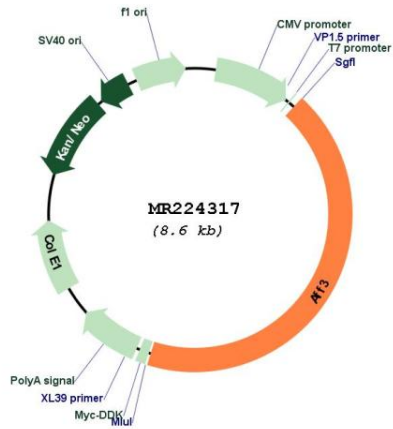
RefSeq ORF: 3687 bp

Locus ID: 16764

Cytogenetics: 1 16.58 cM

MW: 133.2 kDa

Product images:



Circular map for MR224317