

Product datasheet for MC211197

Afmid (NM_027827) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Afmid (NM_027827) Mouse Untagged Clone
Tag: Tag Free
Symbol: Afmid
Synonyms: 9030621K19Rik; Ammd; FKF; formylase; Kf; KFA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC211197 representing NM_027827
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGTTTCCTTCCCTTTCTGCGGGCCAGAATCCCTGGAGGAACTTGTCTTCGGAGGAGCTGGAGAAGC
AATACTCACCCAGCAGATGGGTCCACACGAAACCAGAGGAAGTTGTTGGAACTTCGTGCAGATAGG
AAGCCAGGCCACCCAGAAGGCCCGGGCCACCAGGAGGAACCAGCTGGATGTCCCCTATGGAGATGGCGAA
GGGAGAAACTGGACATCTACTTCCCAGTGGATTCCAAGGCTTCCCTCTGTTCTGTTCTTGCATG
GAGGATACTGGCAGAGTGAAGTAAAGATGACTCGGCCTTCATGGTAAACCCACTGACTGCACAGGGAAT
CGTGGTGGTATAGTGGCTTATGACATTGACCCAAAGGCACACTGGACCAGATGGTGGACCAGGTGACC
CGCAGTGTGCTGTTTCTACAGAGGCGCTATCCAAGCAATGAGGGAATCTACCTCTGCGGACACTCTGCGG
GAGCTCACCTGGCTGCTATGGTGTCTCTGGCCCGCTGGACCAAGCATGGCGTCACACCCAACTCCAAGG
CTTTCTCTGGTGGTGGATCTACGACCTGGAGCCCCTCATAGCCACCTCCCAGAATGACCCTCTGCGC
ATGACCCTGGAAGATGCTCAGAGAAACAGTCCACAGCGCACTTGGATGTGGTCCAGCAGACGCTGTGG
CTCCAGCCTGCCCTGTGCTGGTGTGTGGGTGAGTACTCCCAGAGTCCACCGGCAGTCCAAGGA
GTTCTACGAGACACTTCTCCGCGTGGGATGGAAGGCCTCTTCCAGCAGCTGCGTGGTGTGGATCACTTT
GACATCATAGAGAATCTGACCCGGGAGGATGACGTGCTCACCCAGATCATTTTAAAACAGTCTTCCAGA
AGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027827



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Insert Size:	918 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_027827.3 , NP_082103.1
RefSeq Size:	2332 bp
RefSeq ORF:	918 bp
Locus ID:	71562
UniProt ID:	Q8K4H1
Cytogenetics:	11 E2
Gene Summary:	Catalyzes the hydrolysis of N-formyl-L-kynurenine to L-kynurenine, the second step in the kynurenine pathway of tryptophan degradation. Kynurenine may be further oxidized to nicotinic acid, NAD(H) and NADP(H). Required for elimination of toxic metabolites. [UniProtKB/Swiss-Prot Function]