

## Product datasheet for RR201409

### Aifm2 (NM\_001139483) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Aifm2 (NM\_001139483) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Aifm2  
 Synonyms: Amid; Prg3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR201409 representing NM\_001139483  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTCCCAGGTCTCGGTGGACACAGGAGCTGTGCACGTGGTATCGTGGGCGGGGGCTTTGGAGGGA  
 TAGCGGCCCCAGTCAGCTGCAGGCTCTGAATGTCCCCTTCATGCTGGTGGACATGAAGGACTCCTTCCA  
 CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTTACTCG  
 GTGACCTTCAAGGACAACCTCCGCCAGGGCAAAGTGATTGGCATAGACTTGAAGAACCGGATGGTGTCTGC  
 TAGAGGGTGGTGAAGCCTTGCCCTTCTCACATCTTATTCTGGCCACAGGCAGTACTGGGCCCTTCTCTGG  
 CAAATTTAACGAGGTGTCTGCCAACAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG  
 CGCTCGCAGTTTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTTGAGATGGCCGCAGAGATTAACCCG  
 AGTACCCTGAGAAGGAGGTCACCTTATCCACTCCAGAGTACCCCTGGCGGACAAGGAGCTCCTGCCTTG  
 TGTGCGACAGGAAGTGAAGGAGATCCTCCTCCGAAAGGGTGTGCAGCTGCTGCTGAGTGAAGCGGGTGA  
 AACCTGGAGGAACTGCCTCGCAATGAGTATCGGGAGTACATCAAGGTGAAACGGACAAGGGCACAGAGG  
 TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATTAACAGCTCTGCCTACCGCAGTGCCTTTGA  
 GAGTAGGCTGGCCAGCAACGGGGCTCTGAAAGTGAACGAGTTTCCAGGTGGAAGGTTACAGCAACATT  
 TACGCCATTGGCGACTGTGCTGACATCAAGGAGCCCAAGATGGCCTATCACGCTGGCCTGCATGCCAACA  
 TTGCTGTGGCCAACATTGTCAACTCCATGAAGCAGAGGCCCTCAAAGCCTACAAGCCAGGTGCGCTGAC  
 ATTCTCTGTCCATGGGCAGAAACGATGGCGTGGGCCAGATCAGTGGCTTCTATGTAGGCCGCTCATG  
 GTGCGGCTGGCCAAGAGCAGGGACCTTCTCATCTCCACAAGCTGGAAAACCATGCGGCAATCTCCACCAG  
 TGCGGCTGGCCAAGAGCAGGGACCTTCTCATCTCCACAAGCTGGAAAACCATGCGGCAATCTCCACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201409 representing NM\_001139483  
 Red=Cloning site Green=Tags(s)

MGSQVSVDTGAVHVVIVGGGFGGIAAASQLQALNVPFMLVDMKDSFHHNVAALRASVESGFAKTFISYS  
 VTFKDNFRQGVIGIDLKNRMVLLLEGGEALPFSHLILATGSTGPFPGKFNEVSCQAAIQAYEDMVKQIQ  
 RSQFIVVVGGSAGVEMAAEIKTEYPEKEVTLIHSRVPLADKELLPCVRQEVKEILLRKGVQLLLSERVS  
 NLEELPRNEYREYIKVETDKGTEVATNMVIVCNGIKINSSAYRSAFESRLASNGALKVNEFLQVEGYSNI  
 YAI GDCADIKEPKMAYHAGLHANIAVANI VNSMKQRPLKAYKPGALTFLLSMGRNDGVGQISGFYVGRML  
 VRLAKSRDLLISTSWKTRQSPPVRLAKSRDLLISTSWKTRQSPPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

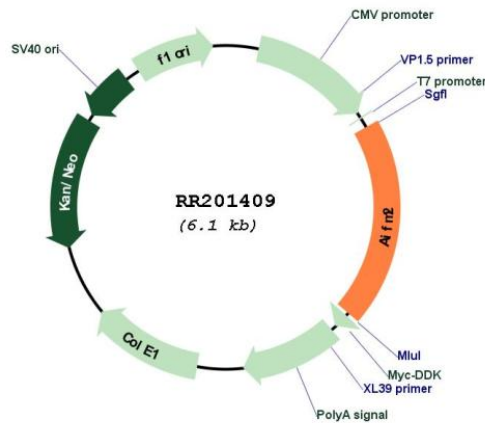
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001139483

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	3422 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	361843
<b>Cytogenetics:</b>	20q11
<b>MW:</b>	40.7 kDa