

Product datasheet for **MG205050**

Aifm2 (BC038129) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Aifm2 (BC038129) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Aifm2 |
| Synonyms: | 5430437E11Rik; Amid; D730001110Rik; PRG3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205050 representing BC038129 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTCCCAGGTCTCGGTGGATACAGGAGCCGTGCACGTGGTATCGTGGCGGGGGCTTCGGAGGGA
TAGCGGCTGCCAGCCAGCTGCAGGCGTGAATGTCCCCTTCATGCTGGTGGATATGAAGGACTCCTTCCA
CCACAATGTGGCAGCCCTCCGGGCTCCGTGGAGAGCGGGTTCGCCAAAAGACATTCATTTCTGACTCT
GCGACCTCAAGGACAACCTCCGCCAGGGCAAAGTGATTGGCATAGACTGAAGAACCGGATGGTGTTC
TACAGGGTGGCGAGGCCCTTGCCCTTCTCACATCTTATCCTGGCCACAGGCAGCACCGGACCTTCCCTGG
CAAGTTTAACGAGGTGTCTGCCAGCAGGCAGCCATCCAGGCCTATGAGGACATGGTGAAGCAGATCCAG
CGCTCACAAATTCATCGTGGTGGTGGGAGGCGGCTCTGCAGGAGTAGAGATGGCAGCAGAGATTAACCCG
AGTACCCTGAGAAGGAGGTCACTCTTATCCACTCCAGAGTACCCCTGGCCGACAAGGAACTCCTGCCCTG
TGTGCGGCAGGAAGTGAAGGAGATCCTCCTCCGGAAGGGTGTGCAGCTGCTGCTGAGTGAGCGGGTGA
AACCTGGAGGAACTGCCTCGCAATGAGTATCGGGAGTACATCAAGGTGGAGACAGACAAGGGCACGGAGG
TGGCCACCAACATGGTGATTGTGTGCAATGGGATCAAGATCAACAGCTCTGCCTACCGCAGTGCAATTTGA
GAGTAGGCTGGCTAGCAATGGTGTCTGAAAGTGAACGAGTTCCTCCAGGTGGAAGGTTACAGCAATATT
TATGCCATTGGTGACTGTGCCGATACCAAGGAGCCCAAGATGGCCTACCGCTGGCCTGCATGCCAATG
TTGCCGTGGCCAACATCGTCAACTCCATGAAGCAGAGGCCACTCAAAGCTTACAAGCCAGAGACTGACCA
ACCACCGCAGCTTTGTCCCCGGCTCTGCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205050 representing BC038129
 Red=Cloning site Green=Tags(s)

MGSQVSVDTGAVHVVIVGGGFGGIAAASQLQALNVPFMLVDMKDSFHHNVAALRASVESGFAKKTFISYS
 ATKDFNFRQGVIGIDLKNRMVLLQGGEALPFSHLILATGSTGPFPGKFNEVSCQQAIIQAYEDMVKQIQ
 RSQFIVVYGGGSAGVEMAAEIKTEYPEKEVTLIHSRVPLADKELLPCVRQEVKEILLRKGVQLLLSERVS
 NLEELPRNEYREYIKVETDKGTEVATNMVIVCNGIKINSSAYRSAFESRLASNGALKVNEFLQVEGYSNI
 YAIGDCADTKPKMAYHAGLHANVAVANIIVNSMKQRPLKAYKPETDQPPAALSPALLL

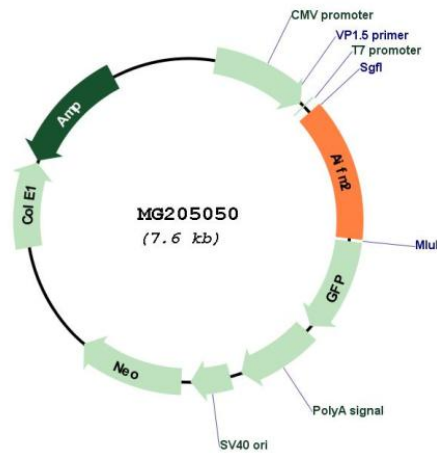
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC038129

ORF Size: 1016 bp

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|-------------------------------|---|
| 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: | <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: | BC038129 , AAH38129 |
| RefSeq Size: | 1351 bp |
| RefSeq ORF: | 1016 bp |
| Locus ID: | 71361 |
| Cytogenetics: | 10 B4 |
| Gene Summary: | Oxidoreductase, which may play a role in mediating a p53/TP53-dependent apoptosis response. Probable oxidoreductase that acts as a caspase-independent mitochondrial effector of apoptotic cell death (By similarity). May contribute to genotoxin-induced growth arrest.[UniProtKB/Swiss-Prot Function] |