

Product datasheet for **RN207820**

Afg3l2 (NM_001134864) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Afg3l2 (NM_001134864) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Afg3l2
Synonyms:	MGC109579
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207820 representing NM_001134864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCACCGCTGCCTGCTGTGGGGTCCGGGCGGCTGCCGTCGCGCCTTCTCCCTGCTCGTGC
 CCAGCGGTGCTGCGGTCCCGGCCGGCGCCCTGCCTCCGTACGCTTTATCAGTACGCTACGGTCCAAAC
 AGCAAACAGCAGAAGTTCTTTCTAAGGGATGTAATTGCTGCTTATCAAAGATTCTGTTCTCGACTCCC
 AAAGGATTTGAAAAATACTTTCTAATGGGAAAAATGGAAAAAGGCCAGCGAATCTAAGGAAGCTGTTG
 GAGAAAAAAGAATCACAACTCCTCGGTCCCCAGTCTTCTGGAGGTGCAAGTGGTGGGGAGGGAAAGCG
 CCGTGGCAAGAAAGAAGATTCTCACTGGTGGTCCAGGTTCCAGAAGGGTACTTTCCATGGGATGACAAG
 GATTTCAAGATGACTTTCTCTGGACTGCTTTTTTTGGAGTGGAGTCATGATTTACTTCTGTTCAAGA
 GCTCTGGGAGAGAAATCACATGGAAAGACTTTGTCAATAACTATCTTTCTAAAGGAGTGGTGGACAGACT
 AGAAGTTGTCAACAAACGTTTTGTTCGTGTGACCTTTACTCCAGGAAAACTCCAGTTGATGGGCAATAC
 GTCTGGTTAATATTGGCAGTGTGACACATTTGAGCGGAATCTGGAGACTTTGCAGCAAGAATTGGGCA
 TAGAAGGGGAGAACCGGGTGCCTGTGGTTTACATTGCTGAAAGCGATGGCTCCTTCTGCTGAGCATGTT
 GCCCACGGTACTCATTATTGCTTTTCTACTCTACACCAATAAGAAGAGGGCCCGCTGGCATTGGTCCGACC
 GGTCCGGGAATGGGTGGACTCTTCAGTGTGGGAAAACGACAGCCAAGGTCTTAAAGGATGAGATAGATG
 TGAAGTTTAAAGATGTGGCTGGCTGTGAGGAGGCCAAGCTAGAAAATAATGGAATTTGTGAATTTCTTGAA
 AAATCCAAAGCAGTATCAAGACCTAGGAGCAAAAATCCCAAAGGGTGCCATTCTCACTGGTCCCCAGGT
 ACTGGGAAGACACTGCTAGCTAAGGCCACAGCTGGAGAAGCCAATGTCCCCTTCATCACTGTCAGTGGAT
 CTGAGTTTCTGGAGATGTTTGTCCGTGTTGGTCCAGCCAGGGTCCGAGACTTATTTGCCCTGCACGGAA
 GAATGCTCCTTGCAATCTTTCATTGACGAGATTGATGCTGTGGGAAGGAAGCGTGGTAGAGGCAATTT
 GGAGGACAGAGTGAAGCAGGAGAACAACACTCAATCAGCTGCTCGTGGAGATGGACGGCTTCAACACCACA
 CCAACGTGGTCATCCTGGCAGGCACAAATCGACCAGACATCCTTGATCCAGCTCTGCTGAGACCAGGCCG
 CTTTGACAGGCAGATCTTCATTGGACCCCCAGACATAAAAGGACGAGCTTCAATCTTCAAAGTTCACCTT
 CGACCATTGAAACTAGACAGTGCCTTGGAAAAAGATAAATTGGCCAGAAAAGTGGCGTCTTGACTCCAG
 GGTTTTCAGGCGCTGATGTTGCCAATGTCTGTAATGAAGCTGCTTTGATTGCTGCCAGACACCTTTCAGA
 TGCCATTAACGAGAAGCACTTCGAACAAGCGATTGAGCGAGTGATTGGAGGCTTGGAGAAAAAACCCAA
 GTTCTGCAACCCGAGGAGAAGAAGACTGTGGCTTACCACGAAGCAGGCCACGCAGTCGCCGGCTGGTATC
 TGGAGCATGCAGACCCACTCTTAAAGGTGCCATCATCCCGCGTGAAAGGGGCTGGGCTATGCTCAGTA
 CTTGCCAAAGGAGCAGTATCTGTACACAAGGAGCAGCTGCTGGACAGGATGTGCATGACTCTGGGTGGC
 CGTGTCTCCGAGGAGATCTTCTTTGGAAGAATTACGACCGGTGCCAGGATGACTTGAGGAAGGTTACCC
 AGAGTGCCTATGCCAGATTGTTTCAAGTTGGCATGAATGAGAAAGTGGGGCAGATCTCCTTTGACCTCCC
 ACGACAGGGGGACATGGTATTAGAGAAGCCTTACAGTGAAGCCACTGCAAGAATGATAGACGATGAAGTG
 AGGATACTCATTAGTGAAGCCTATAAAAGAACTGTGGCTCTTCTCACAGAGAAGAAGGCTGACGTGGAGA
 AGGTTGCTCTCTACTGTTAGAGAAAGAAGTATTAGACAAGAACGACATGGTTGAACTTCTGGGTCCCAG
 ACCATTTACAGAAAAATCCACATATGAAGAATTTGTGGAAGGCACTGGCAGCTTAGATGAGGACACTTCT
 CTTCTTGAAGGCCCTCAGGATTGGAACAAGGAGCGGGAGAAGGAGAAGAAGGAGAAGAAGGAGAAGGAGG
 AGCCCGTGAATGAGAAGGTGGTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001134864
Insert Size: 2409 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:	<u>NM_001134864.1</u> , <u>NP_001128336.1</u>
RefSeq Size:	3074 bp
RefSeq ORF:	2409 bp
Locus ID:	307350
Cytogenetics:	18q12.1