

Product datasheet for **MC219601**

Araf (NM_009703) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Araf (NM_009703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Araf
Synonyms:	1200013E08Rik; A-Raf; Araf1; AW495444
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219601 representing NM_009703
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACCACCACGAGGCCCTCCTGTTAGTGGGCTGAGCCATCTCGGGCAGTTGGCACTGTCAAAGTGT
 ACCTGCCTAACAAGCAACGCACAGTGGTACTGTCCGGGAAGGCATGAGTGTCTATGACTCTTTGGACAA
 GGCCCTGAAGGTGCGGGTCTCAACCAGGACTGTGTGGTCTACAGGCTCATCAAAGGAAGAAAGACA
 GTCACCTGCCTGGGACACAGCCATTGCGCCTCTGGATGGTGGAGGCTCATTGTGGAGGCTCTAGAAGATG
 TGCCACTGACCATGCACAATTTGTACGGAAGACATTCTCAGCCTGGCCTTCTGTGACTTCTGCCTAA
 GTTTCTGTTCCATGGATTCGCTGCCAGACCTGTGGCTACAAGTCCACCAGCATTGTTCTCCAAGGTC
 CCCACCGTCTGCGTTGACATGAGTACCAACCGCCGACAGTTCTACCACAGCATCCAGGATCTGTCTGGAG
 GCTCCAGGCAGCAGGAGGCTCCCTCAAATCTCTCTGTGAATGAGCTGCTAACCCCCAGGGTCCCAGCCC
 CTTTACCAGCAACGTGACCAGGAGCATTCTCATTCCCTGCCCTGCCAATCCCCACTGCAGCGCATC
 CGCTCCACATCTACTCCTAACGTCCACATGGTCAGCACCACAGCTCCCATGGACTCCAGCCTCATGCAGT
 TTAAGTCTCAGAGCTTACGACCCGATGCTGCTGGTAGAGGTGGTATGGAGCCCTCGGGGTAGCCCTAG
 CCCAGCTAGTGTGCTTTCAGGGAGGAAGTCCCCACATTCCAAGTTACCTTCAGAACAGCGGGAGCGGAAG
 TCCTTGGCAGATGAAAAGAAAAAAGTGAAGAACCTGGGGTACCGGACTCAGGCTATTACTGGGAGGTGC
 CACCCAGTGAGGTACAGCTGTTGAAGAGGATCGGGACAGGCTCTTTTGGCACTGTGTTTCGGGGCGTTG
 GCATGGCGATGTAGCTGTGAAAGTGCTCAAGGTGGCCCAACCTACCGTGAGCAGGCCAGGCCTTCAAG
 AATGAGATGCAGGTGCTCAGGAAGACACGGCATGTCAACATTTTGTGTTTCATGGGTTTCATGACTCGGC
 CGGGGTTTGCCATCATCACACAGTGGTGTGAGGGTTCAGCCTTACCACCACCTACATGTGGCTGACAC
 GCGCTTTGACATGGTCCAGCTCATTGATGTGGCCCGCAGACTGCCAGGGCATGGACTACCTCCAGGCC
 AAGAACATCATTATCGAGACCTAAAGTCCAACAATATCTTCTTACATGAGGGGCTCACAGTCAAGATTG
 GTGACTTCGCGCTGGCCACAGTGAAGACACGGTGGAGTGGGGCACAGCCCTAGAGCAGCCCTCAGGGTC
 TGTGCTATGGATGGCAGCTGAGGTGATCCGTATGCAGGACCCGAACCCCTACAGCTTCCAGTCGGATGTC
 TATGCCTATGGTGTGTGCTCTATGAGCTCATGACCGCTCACTGCCCTACAGCCACATTGGCAGCCGTG
 ACCAGATCATCTTATGGTGGCCGTGGCTATCTGTCTCCGACCTCAGCAAAATCTTCAGTAATTGCC
 CAAAGCCATGAGGCGCTGCTGACTGACTGCCTCAAGTTCAGCGGGAGGAGCGGCCCTATTTCCCGAG
 ATTCTGGCCACGATCGAGCTACTGCAGCGTCACTCCCAAGATTGAGCGGAGTGCCTCCGAACCCCTCT
 TGCACCGACCCAGGCTGATGAGTTGCCTGCTTGCCTTCTCAGCGCAGCCGCTTTGTGCCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009703
- Insert Size:** 1815 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:

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_009703.2](#), [NP_033833.1](#)

RefSeq Size: 2405 bp

RefSeq ORF: 1815 bp

Locus ID: 11836

UniProt ID: [P04627](#)

Cytogenetics: X 16.3 cM

Gene Summary: Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May also regulate the TOR signaling cascade (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).