

## Product datasheet for **RN200318**

### **Araf (NM\_022532) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Araf (NM_022532) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Araf
Synonyms:	Araf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200318 representing NM\_022532  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAACCACCACGAGGCCCTCCTGCTAGTGGGCTGAGCCATCTCGGGCAGTTGGCACTGTCAAAGTGT  
 ACCTGCCTAACAAAGCAACGCACAGTGGTACTGTCCGGGATGGCATGAGTGTCTATGACTCTTTGGACAA  
 GGCCCTCAAGGTGCGGGTCTCAATCAGGACTGTGTGGTCTACAGACTCATCAAAGGAAGAAAGACA  
 GTCACTGCCTGGGACACAGCCATTGCACCTCTGGATGGCGAGGAGCTCATTGTGGAGTCTGGAAGATG  
 TGCCACTGACCATGCACAATTTGTACGGAAGACATTCTTCAGTTTGGCCTTCTGTGACTTCTGCCTAA  
 GTTTCTGTTCCACGGCTTCGCTGCCAAACCTGTGGCTACAAGTCCACCAGCATTGTTCTCCAAGGTC  
 CCCACGGTCTGCGTTGACATGAGTACCAACCGCCGACAGTTCTACCACAGCATCCAGGATTTGTCTGGAG  
 GCTCCAGGCAGCAGGAGTTCCCTCAAATCTCTCTGTGAATGAGCTGCTAACCCCCAGGGTCCCAGTCC  
 CTTTACCCAGCAACGTGACCAGGAGCATTCTCCTTCCCTGCCCTGCCAATCCCCACTGCAGCGCATC  
 CGCTCCACATCTACTCCTAACGTCCACATGGTCAGCACCACAGCTCCCATGGACTCCAGCCTCATGCAGT  
 TTAAGTCTCAGAGCTTACGACCCGATGCTGCTGGTAGAGGTGGTATGGAGCTCCTCGGGGTAGCCCTAG  
 CCCAGCTAGTGTGCTTTCAGGGAGGAAGTCCCCACATTCCAAGTTACCTGCAGAACAGCGGGAACGGAAG  
 TCCTTGGCAGATGAAAAGAAAAAAGTGAAGAACCTGGGGTACCGGACTCAGGCTATTACTGGGAGGTGC  
 CACCCAGTGAGGTACAGCTGTTGAAGAGGATCGGGACAGGCTCTTTTGGCACTGTGTTTCGGGGCGTTG  
 GCATGGCGATGTAGCTGTGAAAGTGCTCAAGGTGGCCAACTACCGTGAGCAGGCCAGGCCTTCAAG  
 AATGAGATGCAGGTGCTCAGGAAGACACGACATGTCAACATTTTGCTGTTTATGGGTTTCATGACTCGGC  
 CAGGGTTTGCCATCATCACACAGTGGTGTGAGGGTTCCAGCCTTACCACCACCTACATGTGGCTGACAC  
 GCGCTTTGACATGGTCCAGCTCATTGATGTGGCCCGCAGACTGCCAGGGCATGGACTACCTCCAGGCC  
 AAGAACATCATTACCGAGACCTAAAGTCCAACAATATCTTCTACATGAGGGGCTCACAGTCAAGATTG  
 GTGACTTCGCGCTGGCCACAGTGAAGACACGATGGAGTGGGGCCAGCCCTTAGAGCAGCCCTCAGGGTC  
 TGTGCTGTGGATGGCAGCTGAGGTGATCCGAATGCAGGACCCGAACCCCTACAGCTTCCAGTCGGATGTC  
 TATGCCTATGGTGTGTGCTCTATGAGCTTATGACCGGCTCACTGCCCTACAGCCACATTGGCAGCCGTG  
 ACCAGATCATCTTATGGTGGTCTGCTGCTATCTGTCTCCGGACCTCAGCAAAATCTTCAGTAATTGCC  
 CAAAGCCATGAGGCGCTTGTGACTGACTGCCTCAAGTCCAGCGGGAGGAGCGGCTCTATTTCCCGAG  
 ATTCTGGCCACGATCGAGCTGCTGCAGCGGTCACTCCCAAGATTGAGCGGAGTGCCTCCGAACCCCTCT  
 TGCACCGTACCCAGGCTGATGAGTTGCCTGCCTTCTCAGCGCAGCCCGCTTGTGCCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_022532
- 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\\_022532.2](#), [NP\\_071977.1](#)

**RefSeq Size:** 2350 bp

**RefSeq ORF:** 1815 bp

**Locus ID:** 64363

**UniProt ID:** [P14056](#)

**Cytogenetics:** Xq11

**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]