

## Product datasheet for **MC208144**

### Araf (NM\_001159645) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Araf (NM\_001159645) 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  
**Fully Sequenced ORF:** >MC208144 representing NM\_001159645  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAACCACCACGAGGCCCTCCTGTTAGTGGGGCTGAGCCATCTCGGGCAGTTGGCACTGTCAAAGTGT  
ACCTGCCTAACAAAGCAACGCACAGTGGTACTGTCCGGGAAGGCATGAGTGTCTATGACTCTTTGGACAA  
GGCCCTGAAGGTGCGGGTCTCAACCAGGACTGCTGTGTGGTCTACAGGCTCATCAAAGGAAGAAAGACA  
GTCAGTGCCTGGGACACAGCCATTGCGCCTCTGGATGGTGAGGAGCTCATTGTGGAGGTCCTAGAAGATG  
TGCCACTGACCATGCACAATTTGTACGGAAGACATTCTCAGCCTGGCCTTCTGTGACTTCTGCCTTAA  
GTTTCTGTTCCATGGATTCCGCTGCCAGACCTGTGGCTACAAGTCCACCAGCATTGTTCTCCAAGGTC  
CCCACCGTCTGCGTTGACATGAGTACCAACCGCCGACAGTTCTACCACAGCATCCAGGATCTGTCTGGAG  
GCTCCAGGCAGCAGGAGGCTCCCTCAAATCTCTGTGAATGAGCTGCTAACCCCCAGGGTCCCAGGTA  
G

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159645  
**Insert Size:** 561 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).



<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:</b>	<u>NM_001159645.1, NP_001153117.1</u>
<b>RefSeq Size:</b>	1571 bp
<b>RefSeq ORF:</b>	561 bp
<b>Locus ID:</b>	11836
<b>UniProt ID:</b>	<u>P04627</u>
<b>Cytogenetics:</b>	X 16.3 cM
<b>Gene Summary:</b>	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 (2) uses an alternate splice pattern in the 3' coding region, compared to variant 1. The resulting isoform (2) has a substantially shorter and distinct C-terminus, compared to isoform 1.