

Product datasheet for **MR226088**

Araf (NM_001159645) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Araf (NM_001159645) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Araf
Synonyms: 1200013E08Rik; A-Raf; Araf1; AW495444
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226088 representing NM_001159645
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAACCACCACGAGGCCCTCTGTTAGTGGGGCTGAGCCATCTCGGGCAGTTGGCACTGTCAAAGTGT
ACCTGCCTAACAAAGCAACGCACAGTGGTACTGTCCGGGAAGGCATGAGTGTCTATGACTCTTTGGACAA
GGCCCTGAAGGTGCGGGTCTCAACCAGGACTGCTGTGGTCTACAGGCTCATAAAGGAAGAAAGACA
GTCAGTGCCTGGACACAGCCATTGCGCCTCTGGATGGTGGAGGCTCATTGTGGAGTCTAGAAGATG
TGCCACTGACCATGCACAATTTGTACGGAAGACATTCTCAGCCTGGCCTTCTGTGACTTCTGCCTTAA
GTTTCTGTTCCATGGATTCCGCTGCCAGACCTGTGGCTACAAGTCCACCAGCATTGTTCCCTCAAGGTC
CCCACCGTCTGCGTTGACATGAGTACCAACCGCCGACAGTTCTACCACAGCATCCAGGATCTGTCTGGAG
GCTCCAGGCAGCAGGAGGCTCCCTCAAATCTCTGTGAATGAGCTGCTAACCCCCAGGGTCCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226088 representing NM_001159645
Red=Cloning site Green=Tags(s)

MEPPRPPVSGAEPsRAVGTVKVYLPNKQRTVVTVREGMSVYDSLKALKVRLNQDCCVVYRLIKGRKT
VTAWDTAIAPLDGEELIVEVLEDVPLTMHNFVRKTFSLAFCDFCLKFLFHGFRCQTCGYKFHQHCSSKV
PTVCVDMSTNRRQFYHSIQDLSGGSRQEQEAPSNLSVNELLTPQGPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

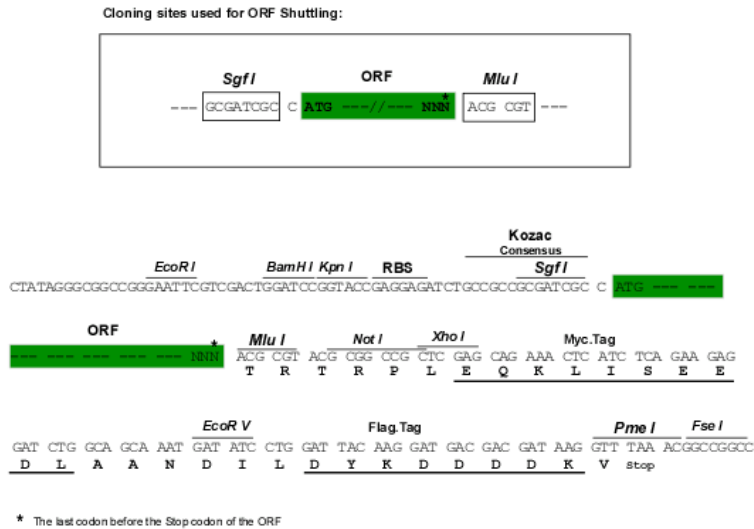
Chromatograms: https://cdn.origene.com/chromatograms/ja1531_g04.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159645

ORF Size: 558 bp

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:

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_001159645.1](#), [NP_001153117.1](#)

RefSeq Size: 1571 bp

RefSeq ORF: 561 bp

Locus ID: 11836

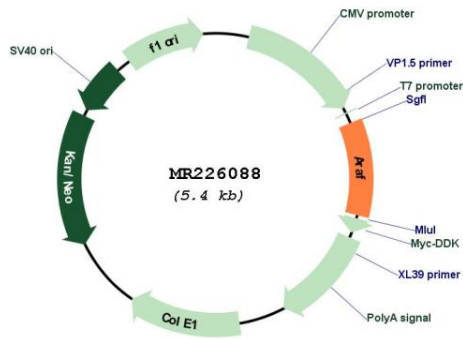
UniProt ID: [P04627](#)

Cytogenetics: X 16.3 cM

MW: 21.3 kDa

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]

Product images:



Circular map for MR226088