

## Product datasheet for **SC332316**

### A RAF (ARAF) (NM\_001256196) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	A RAF (ARAF) (NM_001256196) Human Untagged Clone
Tag:	Tag Free
Symbol:	A RAF
Synonyms:	A-RAF; ARAF1; PKS2; RAFA1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332316 representing NM_001256196. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGCCACCACGGGGCCCCCTGCCAATGGGGCCGAGCCATCCCGGGCAGTGGGCACCGTCAAAGTA
TACCTGCCAACAAGCAACGCACGGTGGTACTGTCCGGGATGGCATGAGTGTCTACGACTCTCTAGAC
AAGGCCCTGAAGTGC GGGTCTAAATCAGGACTGCTGTGTGGTCTACCGACTCATCAAGGGACGAAAG
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CTCAAGTTCAGCGGGAGGAGCGGCCCTCTTCCCCAGATCCTGGCCACAATTGAGCTGCTGCAACGG
TCACTCCCAAGATTGAGCGGAGTGCTCGAACCCCTCTTGACCCGACCCAGGCCGATGAGTTGCCT
GCCTGCCTACTCAGCGCAGCCCCGCTTGTGCCTTAG

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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001256196
<b>Insert Size:</b>	1830 bp
<b>OTI Disclaimer:</b>	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>	<a href="#">NM_001256196.1</a>
<b>RefSeq Size:</b>	2571 bp
<b>RefSeq ORF:</b>	1830 bp
<b>Locus ID:</b>	369
<b>UniProt ID:</b>	<a href="#">P10398</a>
<b>Cytogenetics:</b>	Xp11.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Acute myeloid leukemia, Bladder cancer, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Glioma, Insulin signaling pathway, Long-term depression, Long-term potentiation, Melanoma, Natural killer cell mediated cytotoxicity, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Vascular smooth muscle contraction
<b>MW:</b>	67.9 kDa
<b>Gene Summary:</b>	This proto-oncogene belongs to the RAF subfamily of the Ser/Thr protein kinase family, and maybe involved in cell growth and development. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2012] Transcript Variant: This variant (2) has an alternate splice site in the coding region, which does not affect the reading frame, compared to variant 1. The resulting isoform (2) is 3 aa longer than isoform 1.