

## Product datasheet for **SC334958**

### ARA9 (AIP) (NM\_001302959) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARA9 (AIP) (NM_001302959) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIP
Synonyms:	ARA9; FKBP16; FKBP37; PITA1; SMTPHN; XAP-2; XAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001302959, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTCATCATTGGCAAGAAGTTCAAGCTGCCTGTGTGGGAGACCATCGTGTGCACCATGCGAGAAG
GGGAGATTGCCAGTTCTCTGTGACATCAAGCATGTGGTCTGTACCCGCTGGTGGCCAAGAGTCTCCG
CAACATCGCGGTGGCAAGGACCCCTGGAGGGCCAGCGGCACTGCTGCGGTGTTGCACAGATGCGTGAA
CACAGCTCCCTGGGCCATGCTGACCTGGACGCCCTGCAGCAGAACCCCAAGCCCTCATCTTCCACATGG
AGATGCTGAAGGTGGAGAGCCCTGGCACGTACCAGCAGGACCCATGGGCCATGACAGACGAAGAGAAGGC
AAAGGCAGTGCCACTTATCCACCAGGAGGGCAACCGGTTGTACCCGAGGGGCATGTGAAGGAGGCTGCT
GCCAAGTACTACGATGCCATTGCCTGCCTCAAGAACCTGCAGATGAAGGAACAGCCTGGGTCCCCTGAAT
GGATCCAGCTGGACCAGCAGATCACGCCCTGTGCTCAACTACTGCCAGTGCAAGCTGGTGGTTCGAGGA
GTACTACGAGGTGCTGGACCACTGCTCTTCCATCCTCAACAAGTACGACGACAACGTCAAGGCCTACTTC
AAGCGGGCAAGGCCACGCGGCCGTGTGGAATGCCAGGAGGCCAGGCTGACTTTGCCAAAGTGTGCG
AGCTGGACCCAGCCCTGGCGCCTGTGGTGTGAGCCGAGAGCTGCGGGCCCTGGAGGCACGGATCCGGCAGAA
GGACGAAGAGGACAAAGCCCGGTTCCGGGGGATCTTCTCCCATTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302959
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).



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<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_001302959.1, NP_001289888.1</u>
<b>RefSeq Size:</b>	1221 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	9049
<b>UniProt ID:</b>	<u>O00170</u>
<b>Cytogenetics:</b>	11q13.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a receptor for aryl hydrocarbons and a ligand-activated transcription factor. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. This protein can regulate the expression of many xenobiotic metabolizing enzymes. Also, the encoded protein can bind specifically to and inhibit the activity of hepatitis B virus. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in place of the first exon in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>