

## Product datasheet for SC117637

### ARA9 (AIP) (NM\_003977) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARA9 (AIP) (NM_003977) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARA9
Synonyms:	ARA9; FKBP16; FKBP37; PITA1; SMTPHN; XAP-2; XAP2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117637 sequence for NM_003977 edited (data generated by NextGen Sequencing)

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ATGGCGGATATCATCGAAGACTCCGGGAGGACGGGATCCAAAAACGTGTGATACAGGAA
GGCCGAGGAGAGCTCCCGGACTTTCAAGATGGGACCAAGGCCACGTTCCACTACCGGACG
CTGCACAGTGACGACGAGGGCACCGTGCTGGACGACAGCCGGGCTCGTGGCAAGCCCATG
GAGCTCATCATTGGCAAGAAGTTCAAGCTGCCTGTGTGGGAGACCATCGTGTGCACCATG
CGAGAAGGGGAGATTGCCAGTTCCTCTGTGACATCAAGCATGTGGTCTGTACCCGCTG
GTGGCCAAGAGTCTCCGCAACATCGCGGTGGGCAAGGACCCCTGGAGGGCCAGCGGCAC
TGCTGCGGTGTTGCACAGATGCGTGAACACAGCTCCCTGGCCATGCTGACCTGGACGCC
CTGCAGCAGAACCCAGCCCTCATCTCCACATGGAGATGCTGAAGGTGGAGAGCCCT
GGCACGTACCAGCAGGACCCATGGGCCATGACAGACGAAGAGAAGGCAAAGGCAGTGCCA
TTATCCACCAGGAGGGCAACCGTTGTACCGCGAGGGGCATGTGAAGGAGGCTGCTGCC
AAGTACTACGATGCCATTGCCTGCCTCAAGAACCTGCAGATGAAGGAACAGCCTGGGTCC
CCTGAATGGATCCAGCTGGACAAGCAGATCACGCCGCTGCTGCTCAACTACTGCCAGTGC
AAGCTGGTGGTCGAGGAGTACTACGAGGTGCTGGACCACTGCTCTTCCATCCTCAACAAG
TACGACGACAACGTCAAGGCCTACTTCAAGCGGGCAAGGCCACGCGGCCGTGTGGAAT
GCCCAGGAGGCCAGGCTGACTTTGCCAAAGTCTGGAGCTGGACCCAGCCCTGGCGCT
GTGGTGAAGCCGAGAGCTGCGGGCCCTGGAGGCACGGATCCGGCAGAAGGACGAAGAGGAC
AAAGCCCGGTTCCGGGGGATCTTCTCCATTGA

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Clone variation with respect to NM\_003977.2  
682 c=>a;920 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003977 unedited</p> <pre>GGGCACATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCGGGGAAGGA GGATGGCGGATATCATCGCAAGACTCCGGGAGGACGGGATCCAAAAACGTGTGATACAGG AAGGCCGAGGAGAGCTCCCGACTTTCAAGATGGGACCAAGGCCACGTTCCACTACCGGA CGGTGCACAGTGACGACGAGGGCACCGTGTGGACGACAGCCGGGCTCGTGGCAAGCCCA TGGAGCTCATCATTGGCAAGAAGTTCAAGCTGCCTGTGTGGGAGACCATCGTGTGCACCA TGGGAGAAGGGGAGATTGCCAGTTCCCTCTGTGACATCAAGCATGTGGTCCTGTACCCGC TGGTGGCCAAGAGTCTCCGCAACATCGCGGTGGGCAAGGACCCCTGGAGGGCCAGCGGC ACTGCTGCGGTGTTGCACAGATGCGTGAACACAGCTCCCTGGGCCATGCTGACCTGGACG CCCTGCAGCAGAACCCAGCCCTCATCTCCACATGGAGATGCTGAAGGTGGAGAGCC CTGGCAGTACCAGCAGGACCCATGGGCCATGACAGACGAAGAGAAGGCAAGGCCAGTGC CACTTATCCACCAGGAGGGCAACCGTTGTACCGCAGGGGCATGTGAAGGAGGCTGCTG CCAAGTACTACGATGCCATTGCCTGCCTCAAGAACCTGCAGATGAAGGACAGCCTGGGTC CCCTGAATGGATCCAGCTGGACAGCAGATCAGCCGCTGCTGCTAACTACTGGCAGTGCAG CTGGTGGTCGAGGATACTACGAGGTGCTGGACCACTGCTTTTTCTTTCTACAAGTACGA CGACCACGTCAAGGCCTACTTCAGACGGGCAAGGGCCACCCGNCCTGGGGAATGCCCA GNAGGC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003977 unedited</p> <pre>TGCTATGGCCGCGCCGCAATCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAAAAAT AAAGGCCTTTATATACACAGAAGCATGACGCAGCACGGGCAGGGGGCTGGCAGTGCAG CAGTGGGCTTGGCAGGTAAGGCAGGGCCAAGTGTCTCTGTCAATGGGAGAAGATCCCCCG GAACCGGGCTTTGTCCTTCTCGTCTTCTGCCGGATCCGTGCCTCCAGGGCCCGCAGCTC TCGGCTACCCACAGGCGCCAGGGCTGGGTCCAGCTCCAGCACTTTGGCAAAGTCAGCCTG GGCCTCCTGGGCATTCCACACGGCCGCTGGGCCTTGCCCGCTTGAAGTAGGCCTTGAC GTTGTCGTCGTACTTGTGAGGATGGAAGAGCAGTGGTCCAGCACCTCGTAGTACTCCTC GACCACAGCTTGCAGTGGCAGTAGTTGAGCAGCAGCGGCGTGATCTGCTTGTCCAGCTG GATCCATTAGGGGACCCAGGCTGTTCCCTTTCATCTGCAGTTCCTGAGGCAGGCAATGGC ATCGTAGTACTTGGCAGCAGCCTCCTTACATGCCCTCGCGGTACAACCGGTTGCCCTC CTGGTGGATAAGTGGCACTGCCTTTGCCTTCTCTTCTGTCGTGTCATGGCCATGGGTCCTG TTCTGCTGCAGGGCTCCAGGTACAGTACAGTGGCCAGGGAGCTGTGTTACGCATCTGTGC CACACCGCAGCAGTGCCCGCTGGCCCTCCAGGGGTCCTTGCCACCGGATGTTGGGAG ACTCTTGGCCCCAGCGGTTACAGACCACATGCTTGATGTACAGAGGAACTGGCATCTCC CCTCTNGCATGGTCACACGATGGTCTCCACCAGGCAGCTGAACT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003977
<b>Insert Size:</b>	1130 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_003977.1</a> , <a href="#">NP_003968.1</a>
<b>RefSeq Size:</b>	1244 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	9049
<b>UniProt ID:</b>	<a href="#">O00170</a>
<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>