

Product datasheet for **RG237064**

ARA9 (AIP) (NM_001302959) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARA9 (AIP) (NM_001302959) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARA9
Synonyms:	ARA9; FKBP16; FKBP37; PITA1; SMTPHN; XAP-2; XAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237064 representing NM_001302959. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGCTCATCATTGGCAAGAAGTTCAAGCTGCCTGTGTGGGAGACCATCGTGTGCACCATGCGAGAA
GGGGAGATTGCCAGTTCCTCTGTGACATCAAGCATGTGGTCCTGTACCCGCTGGTGGCCAAGAGTCTC
CGCAACATCGCGGTGGGCAAGGACCCCTGGAGGGCCAGCGGCACTGCTGCGGTGTTGCACAGATGCGT
GAACACAGCTCCCTGGCCATGCTGACCTGGACGCCCTGCAGCAGAACCCCGCCCTCATCTTCCAC
ATGGAGATGCTGAAGGTGGAGAGCCCTGGCACGTACCAGCAGGACCCATGGGCCATGACAGACGAAGAG
AAGGCAAAGGCAGTGCCACTTATCCACCAGGAGGCAACCGTTGTACCGGAGGGGCATGTGAAGGAG
GCTGCTGCCAAGTACTACGATGCCATTGCCTGCCTCAAGAACCTGCAGATGAAGGAACAGCCTGGGTCC
CCTGAATGGATCCAGCTGGACCAGCAGATCACGCCGCTGCTGCTCAACTACTGCCAGTGAAGCTGGTG
GTCGAGGAGTACTACGAGGTGCTGGACCACTGCTCTTCCATCCTCAACAAGTACGACGACAACGTCAAG
GCCTACTTCAAGCGGGGCAAGGCCACGCGGCCGTGTGGAATGCCAGGAGGCCAGGCTGACTTTGCC
AAAGTGTGGAGCTGGACCCAGCCCTGGCGCCTGTGGTGAAGCCGAGAGCTGCGGGCCCTGGAGGCACGG
ATCCGGCAGAAGGACGAAGAGGACAAAGCCCGTTCCGGGGATCTTCTCCAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237064
 Blue=ORF Red=Cloning site Green=Tag(s)

MELIIGKKFKLPVWETIVCTMREGEIAQFLCDIKHVLYPLVAKSLRNIAVGKDPLEGQRHCCGVAQMR
 EHSSLGHADLDALQQNPQLIFHMEMLKVESPGTYQQDPWAMTDEEKAKAVPLIHQEGNRLYREGHVKE
 AAAKYDAIAACLKQLQMKEQPGSPEWIQLDQIITPLLLNYCQCKLVVEEYEVLDHCSSILNKYDDNVK
 AYFKRGKAHAAVWNAQEAQADF AKVLELDPALAPVVSRELRALEARIRQKDEEDKARFRGIFSH
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001302959

ORF Size: 813 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).

RefSeq: [NM_001302959.1](#), [NP_001289888.1](#)

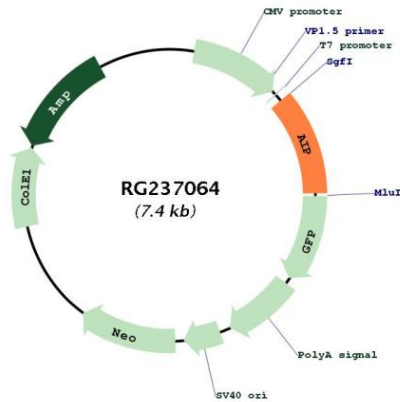
RefSeq Size: 1221 bp

RefSeq ORF: 816 bp

Locus ID: 9049
UniProt ID: [O00170](#)
Cytogenetics: 11q13.2
Protein Families: Druggable Genome, Transcription Factors
MW: 31.4 kDa

Gene Summary: 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]

Product images:



Circular map for RG237064