

Product datasheet for **RG237170**

ARA9 (AIP) (NM_001302960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARA9 (AIP) (NM_001302960) 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:	>RG237170 representing NM_001302960. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGATATCATCGCAAGACTCCGGGAGGACGGGATCCAAAAACGTGTGATACAGGAAGGCCGAGGA
GAGCTCCCGACTTTCAAGATGGGACCAAGGCCACGTTCCACTACCGACGCTGCACAGTGACGACGAG
GGCACCCTGCTGGACGACAGCCGGGCTCGTGGCAAGCCCATGGAGCTCATCATTGGCAAGAAGTTCAAG
CTGCCTGTGTGGGAGACCATCGTGTGCACCATGCGAGAAGGGGAGATTGCCAGTTCCTCTGTGACATC
AAGCATGTGTCCTGTACCCGCTGGTGGCAAGAGTCTCCGAACATCGCGGTGGCAAGGACCCCTG
GAGGGCCAGCGGCACTGCTGCGGTGTTGCACAGATGCGTGAACACAGCTCCCTGGCCATGCTGACCTG
GACGCCCTGCAGCAGAACCCCGACCCCTCATCTTCCACATGGAGATGCTGAAGGTGGAGAGCCCTGGC
ACGTACCAGCAGGACCCATGGGCCATGACAGACGAAGAGAAGGCAAGGCAAGGCAAGTCCACCCAG
GAGGGCAACCGGTTGTACCGCGAGGGGCATGTGAAGGAGGCTGCTGCCAAGTACTACGATGCCATTGCC
TGCTCAAGAACCTGCAGATGAAGGAACAGCCTGGGTCCCCTGAATGGATCCAGCTGGACCAGCAGATC
ACGCCGCTGCTGCTCAACTACTGCCAGTGCAAGCTGGTGGTTCGAGGAGTACTACGAGGTGCTGGACCAC
TGCTCTCCATCCTCAACAAACAACGCTCAAGGCCTACTTCAAGCGGGGCAAGGCCACCGCGCCGTGTG
GAATGCCAGGAGGCCAGGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237170
 Blue=ORF Red=Cloning site Green=Tag(s)

MADIARLREDGIQKRVIQEGRGELPDFQDGKATFHRYRLHSDDEGTVLDDSRARGKPMELIIGKKFK
 LPVWETIVCTMREGEIAQFLCDIKHVVL YPLVAKSLRNI AVGKDPLEGQRHCCGVAQMRHSSLGHADL
 DALQQNPQPLIFHMEMLKVESPGTYQQDPWAMTDEEKAKAVPLIHQEGNRLYREGHVKEAAAKYYDAIA
 CLKNLQMKEQPGSPEWIQLDQQITPLLLNYCQCKLVVEEYVEVL DHCSSILNKQRQLLQAGQGPRGRV
 ECPGGPG
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001302960

ORF Size: 849 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_001302960.2](#)

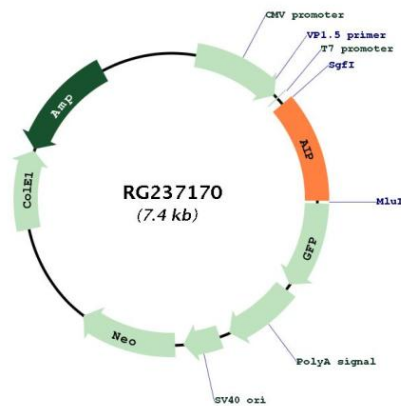
RefSeq Size: 1247 bp

RefSeq ORF: 852 bp

Locus ID: 9049
UniProt ID: [O00170](#)
Cytogenetics: 11q13.2
Protein Families: Druggable Genome, Transcription Factors
MW: 32.4 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 RG237170