

Product datasheet for MR204848

Aip (NM_016666) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aip (NM_016666) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aip
Synonyms:	A; AA408703; Ara9; AW476050; D19Bwg1412e; Fkbp1; Fkbp16; Xa; Xap2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204848 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGATCTCATCGAAGACTTCGAGAGGACGGGATCCAAAAGCGTGTGATACAGGAGGGCCGAGGAG
AGTTGCCGGACTTTCAGGATGGCACTAAGGCCACGTTCCACTTTCGGACGCTGCACAGTGACAATGAAGG
CTCCGTTATAGATGACAGCCGAACACGAGGCAAGCCCATGGAGCTCATCGTTGGCAAGAAGTTCAAGTTG
CCTGTGTGGGAGACCATCGTGTGCACCATGCGTGAGGGGGAGATTGCCAGTTCTCTGTGACATCAAGC
ACGTAGTCTGTATCCTCTAGTGGCCAAGAGCCTCCGCAACATCGCCGAGGGCAAGGACCCCTGGAGGG
ACAGCGGCATTGCTGTGGGATCGCTCAGATGCATGAACACAGCTCCCTGGGTGATGCGGACCTGGATGCC
CTGCAGCAGAACCACAGCCTCTCATCTCCACATCGAGATGCTGAAGGTAGAGAGTCTGGCACCTATC
AACAGGACCCATGGGCGATGACAGATGAGGAGAAAGCAAAGGCAGTACCAGTCAATCCACCAAGAGGGCAA
CCGGTTGTACCGTGAGGGCCAGGTGAAAGAGGCTGCTGCCAAGTACTATGACGCCATCGCTGCCTCAAG
AATCTGCAGATGAAGGAGCAGCTGGCTCACCTGACTGGATCCAGTTGGACCTGCAGATCACACCACTGC
TACTCAACTATTGCCAGTGAAGCTGGTGGCTCAGGAGTATTATGAAGTGTGGATCACTGCTCCTCCAT
CCTCAACAAGTATGATGACAATGTCAAGGCTTACTTCAAGAGGGGTAAGGCCATGCTGCCGTGTGGAAT
GCCAGGAGGCCAGGCTGACTTTGCCAAGGTGTGGAGCTAGACCCTGCCCTGGCGCCTGTGGTAAGCA
GAGAGCTGCGGGCCCTGGAGACCGGATCCGGCAGAAGGATGAGGAGGACAAAGCTCGCTCCGGGGCAT
CTTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR204848 protein sequence
Red=Cloning site Green=Tags(s)

MADLIARLREDGIQKRVIQEGRGELPDFQDGKATFFHRTLHSDNEGSVIDDSRTRGKPMELIVGKKFKL
 PVWETIVCTMREGIEIAQFLCDIKHVVL YPLVAKSLRNIAEGKDPLEGQRHCCGIAQMHEHSSLGHADLDA
 LQQNPQPLIFHIEMLKVESPGTYQQDPWAMTDEEKAKAVPVIHQEGNRL YREGQVKEAAAKYYDAIACKL
 NLQMKEQPGSPDWIQLDLQITPLLLNQCCKLVAQEYEVLDHCCSILNKYDDNVKAYFKRKGAAHAAVWN
 AQEAQADF AKVLELDPALAPVVSRELRALETRIRQKDEEDKARFRGIFSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_016666

ORF Size: 993 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_016666.3](#)

RefSeq Size: 2068 bp

RefSeq ORF: 993 bp

Locus ID: 11632

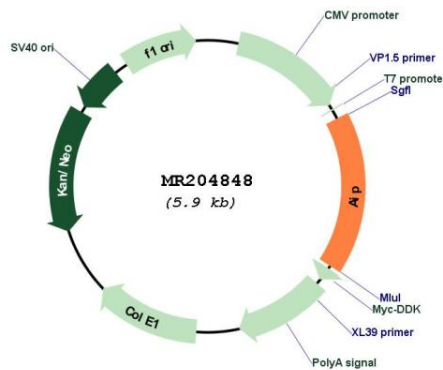
UniProt ID: [O08915](#)

Cytogenetics: 19 3.82 cM

MW: 37.6 kDa

Gene Summary: This gene encodes an Hsp90-associated protein that is localized to the cytoplasm. The encoded protein interacts with the aryl hydrocarbon receptor (AhR) and the tyrosine kinase receptor RET, inhibits AhR ubiquitination, and regulates the intracellular localization of AhR. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MR204848