

## Recombinant Human AIP, His-tagged

**Cat. No.** AIP-3595H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-330 aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Aryl hydrocarbon receptor (AHR) interacting protein, also known as AIP, may play a positive role in AHR-mediated (aromatic hydrocarbon receptor) signaling, possibly by influencing its receptivity for ligand and/or its nuclear targeting. It is a Cellular negative regulator of the hepatitis B virus (HBV) X protein. Also, AIP is a ubiquitously expressed protein, binds to HSP 90 and AHR through a highly conserved carboxy-terminal tetratricopeptide repeat domain.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
<b>Molecular Weight</b>	39.8 kDa (350aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSSLVPRGSH MADIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHVRT LHSDDGTVL DDSRARGKPM ELIIGKKFKL PVWETIVCTM REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH

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SSLGHADLDA LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP  
 LIHQEGNRLY REGHVKEAAA KYDAIACLK NLQMKEQPGS PEWIQLDKQI  
 TPLLLNYCQC KLVVEEYEV LDHCSSILNK YDDNVKAYFK RGKAHAAVWN  
 AQEAQADFAK VLELDPALAP VVSRELRALE ARIRQKDEED KARFRGIFSH

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

AIP aryl hydrocarbon receptor interacting protein [ Homo sapiens ]

**Official Symbol**

AIP

**Synonyms**

AIP; ARA9; XAP2; FKBP16; FKBP37; SMTPHN; aryl hydrocarbon receptor interacting protein; XAP-2; AH receptor-interacting protein; OTTHUMP00000236411; OTTHUMP00000236412; HBV-X associated protein; immunophilin homolog ARA9; HBV X-associated protein 2; aryl hydrocarbon receptor-interacting protein; aryl-hydrocarbon receptor interacting protein; aryl-hydrocarbon receptor-interacting protein; Aryl-hydrocarbon receptor-interacting protein; Immunophilin homolog ARA9

**Gene ID**

9049

**mRNA Refseq**

NM\_003977

**Protein Refseq**

NP\_003968

**MIM**

605555

**UniProt ID**

O00170

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<b>Chromosome Location</b>	11q13.3
<b>Function</b>	protein binding; signal transducer activity; transcription coactivator activity; transcription factor binding; unfolded protein binding

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