

Recombinant Human AIP, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Molecular Weight	39.8 kDa (350aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MADIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHVRT LHSDDGTVL DDSRARGKPM ELIGKKFKL PVWETIVCTM REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH

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SSLGHADLDA LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP
 LIHQEGNRLY REGHVKEAAA KYDDAIACLK NLQMKEQPGS PEWQLDKQI
 TPLLLNYCQC KLVVEEYYEV 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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Chromosome Location	11q13.3
Function	protein binding; signal transducer activity; transcription coactivator activity; transcription factor binding; unfolded protein binding