

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SSLGHADLDA LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP
 LIHQEGNRLY REGHVKEAAA KYDDAIACLK NLQMKEQPGS PEWIQLDKQI
 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