

# Product information

**AIP, 1-330 aa**

**Human, His-tagged, Recombinant, *E.coli***


**Cat. No. IBATGP1137**

**Full name:** Aryl hydrocarbon receptor interacting protein

**NCBI Accession No.:** AAI04828

**Synonyms:** ARA9, FKBP37, XAP2

**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 tetracopeptide repeat domain. Recombinant human AIP protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol</p> <p><b>Molecular Weight:</b> 39.8 kDa (350aa), confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 1 mg/ml (determined by Bradford assay)</p>	
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**Sequences of amino acids:**

MGSSHHHHH SSGLVPRGSH MADIIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHVRT LHSDEGTVL DDSRARGKPM ELIIGKKFKL  
 PVWETIVCTM REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH SSLGHADLDA LQQNPQPLIF HMEMLKVESP  
 GTYQQDPWAM TDEEKAKAVP LIHQEGNRLY REGHVKEAAA KYDYAIACLK NLQMKEQPGS PEWIQLDKQI TPLLLNYQC KLVVEEYEV  
 LDHCSSILNK YDDNVKAYFK RGKAHAAVWN AQEAQADFAK VLELDPALAP VVSRELRALR ARIRQKDEED KARFRGIFSH

**General references:**

Kazlauskas A., *et al.* (2000) *J Biol Chem.* 275:41317-41324.

Meyer BK., *et al.* (1998) *Mol Cell Biol.* 18:978-988.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**