

Recombinant human AIP protein

Catalog Number: ATGP1137

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-330aa

UniProt No.

O00170

NCBI Accession No.

AAI04828

Alternative Names

AH receptor-interacting protein, Aryl-hydrocarbon receptor-interacting protein, HBV X-associated protein 2, XAP-2, Immunophilin homolog ARA9, Aryl hydrocarbon receptor-associated protein 9, FKBP16, FKBP prolyl isomerase 16, FK506-binding protein 37, FKBP37

PRODUCT SPECIFICATION

Molecular Weight

39.8 kDa (350aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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tetratricopeptide 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.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MADIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHVRT LHSDDDEGTVL
DDSRARGKPM ELIIGKKFKL PVWETIVCTM REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH
SSLGHADLDA LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP LIHQEGNRLY REGHVKEAAA KYDDAIACLK
NLQMKEQPGS PEWIQLDKQI TPLLLNYCQC KLVVEEYEV LDHCSSILNK YDDNVKAYFK RGKAHAAVWN AQEAQADFAK
VLELDPALAP VVSRELRALE ARIRQKDEED KARFRGIFSH

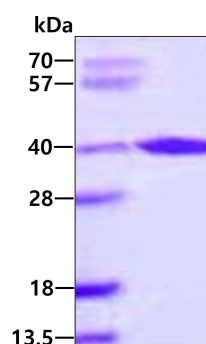
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.