

## AIP Human

**Description:** AIP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (1-330 a.a.) and having a molecular mass of 39.8kDa. AIP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-893

For research use only.

**Synonyms:** AH receptor-interacting protein, AIP, Aryl-hydrocarbon receptor-interacting protein, HBV X-associated protein 2, XAP-2, Immunophilin homolog ARA9, XAP2, ARA9, FKBP16, FKBP37, SMTPHN.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MADIARLRE DGIQKRVIQE  
GRGELPDFQD GTKATFHYRT LHSDEGTVL DDSRARGKPM ELIIGKKFKL PVWETIVCTM  
REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH SSLGHADLDA  
LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP LIHQEGNRLY REGHVKEAAA  
KYYDAIACLK NL

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

AIP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Aryl hydrocarbon receptor (AHR) interacting protein (AIP) may have a positive role in AHR-mediated (aromatic hydrocarbon receptor) signaling, probably by influencing its receptivity for ligand and/or its nuclear targeting. AIP is a Cellular negative regulator of the hepatitis B virus (HBV) X protein. Furthermore, AIP is a ubiquitously expressed protein, which binds to HSP 90 and AHR through a highly conserved carboxy-terminal tetratricopeptide repeat domain.

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