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**Product Data Sheet**


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Product Name: AIP Human  
 Cat. No.: GP22700  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MADIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHVRT LHSDEGTVL DDSRARGKPM ELIIGKKFKL PVWETIVCTM REGEIAQFLC DIKHVVLYPL VAKSLRNIAV GKDPLEGQRH CCGVAQMREH SSLGHADLDA LQQNPQPLIF HMEMLKVESP GTYQQDPWAM TDEEKAKAVP LIHQEGNRLY REGHVKEAAA KYDAIACLK NLQMKEQPGS PEWIQLDKQI TPLLLNYCQC KLVVEEYEV LDHCSSILNK YDDNVKAYFK RGKAHAAVWN AQEAQADFAK VLELDPALAP VVSRELRALE ARIRQKDEED KARFRGIFSH.		
Formulation	AIP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.		

**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 tetraco-peptide repeat domain.

**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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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### Background

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.

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