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AIP Human

Catalog #:PRPS-893

For research use only.

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.

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 MADIIARLRE DGIQKRVIQE GRGELPDFQD GTKATFHYRT LHSDDEGTVL 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 drµgs, 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 throµgh a highly conserved carboxy-terminal tetraticopeptide repeat domain.

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