

Recombinant Human AIP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AIP-1662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

AIP MS Standard C13 and N15-labeled recombinant protein (NP_003968) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene is a receptor for aryl hydrocarbons and a ligand-activated transcription factor. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. This protein can regulate the expression of many xenobiotic metabolizing enzymes. Also, the encoded protein can bind specifically to and inhibit the activity of hepatitis B virus. Three transcript variants encoding different isoforms have been found for this gene.

Molecular Mass

37.7 kDa

AA Sequence

MADIARLREDGIQKRVIQEGRGELPDFQDGTKATFHRYRTLHSDDEGTVLDDSRARG
 KPMELIIGKKFKLPVWETIVCTMREGIEAQFLCDIKHVVLVPLVAKSLRNIAVGGKDPLE
 GQRHCCGVAQMREHSSLGHADLDALQQNPQPLIFHMEMLKVESPGTYQQDPWAM
 TDEEKAKAVPLIHQEGNRLYREGHVKEAAKYYDAIACLKNLQMKEQPGSPEWIQLD
 KQITPLLLNYCQCKLVVEEYEVLDHCSSILNKYDDNVKAYFKRGKAHAAVWNAQEA
 QADFAKVLELDPALAPVVSRELRALEARIRQKDEEDKARFRGIFSHTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

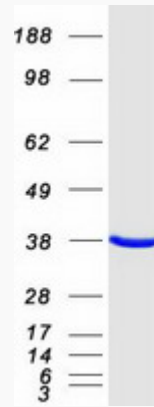
Gene Name	AIP aryl hydrocarbon receptor interacting protein [Homo sapiens (human)]
Official Symbol	AIP
Synonyms	AIP; aryl hydrocarbon receptor interacting protein; AH receptor-interacting protein; ARA9; FKBP16; XAP2; immunophilin homolog ARA9; HBV X-associated protein 2; XAP-2; FKBP37; SMTPHN;
Gene ID	9049
mRNA Refseq	NM_003977
Protein Refseq	NP_003968
MIM	605555
UniProt ID	O00170

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SDS-PAGE



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