

Product datasheet for PH311157

ARA9 (AIP) (NM_003977) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: AIP MS Standard C13 and N15-labeled recombinant protein (NP_003968)

Species: Human

Expression Host: HEK293

**Expression cDNA Clone
or AA Sequence:** RC211157

Predicted MW: 37.7 kDa

Protein Sequence: >RC211157 protein sequence
Red=Cloning site Green=Tags(s)

MADIIARLREDGIQKRVIQEGRGELPDFQDGKATFHYRTLHSDDEGTVLDDSRARGKPMELIIGKKFKL
PVWETIVCTMREGIEIAQFLCDIKHVLYPLVAKSLRNIAVGKDPLEGQRHCCGVAQMREHSSLGHADLDA
LQQNPQPLIFHMEMLKVESPGTYQQDPWAMTDEEKAKAVPLIHQEGNRLYREGHVKEAAKYYDAIACLK
NLQMKEQPGSPEWIQLDKQITPLLLNYCQCKLVVEEYEVLDHCSSILNKYDDNVKAYFKRGAHAAVWN
AQEAQADFQVLELDPALAPVVSRELRALEARIRQKDEEDKARFRGIFSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U- ¹³C₆, ¹⁵N₄]-L-Arginine and [U- ¹³C₆, ¹⁵N₂]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: [NP_003968](#)

RefSeq Size: 1250

RefSeq ORF: 990

Synonyms: ARA9; FKBP16; FKBP37; PITA1; SMTPHN; XAP-2; XAP2

Locus ID: 9049



[View online »](#)

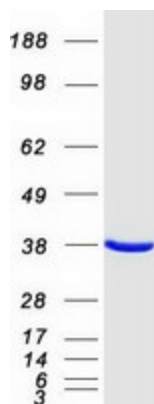
UniProt ID: [O00170](#), [G9I2H4](#)

Cytogenetics: 11q13.2

Summary: 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. [provided by RefSeq, Dec 2014]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified AIP protein (Cat# [TP311157]). The protein was produced from HEK293T cells transfected with AIP cDNA clone (Cat# [RC211157]) using MegaTran 2.0 (Cat# [TT210002]).