

Recombinant Full Length Human AHR Protein, GST-tagged

Cat. No. AHR-603HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human AHR(1 a.a. - 848 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	848 amino acids
Description	The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	122.5 kDa
AA Sequence	MNSSSANITY ASRKRRKPVQ KTVKPIPAEG IKSNPSCRHR DRLNTELDRL ASLLPFPQDV INKLDKLSVL RLSVSYLRAK SFFDVALKSS PTERNGGQDN CRAANFREGL NLQEGEFLLQ ALNGFVLVVT TDALVFYASS TIQDYLGFAQ SDVIHQSVYE LIHTEDRAEF QRQLHWALNP SQCTESGQGI EEATGLPQTV VCYNPDQIPP ENSPLMERCFC ICRLRCLLDN SSGFLAMNFQ GKLKYLHGQK

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KKGKDGSIPL PQLALFAIAT PLQPPSILEI RTKNFIFRTK HKLDFTPIGC
 DAKGRIVLGY TEAELCTRGS GYQFIHAADM LYCAESHIRM IKTGESGMIV
 FRLLTKNRW TWVQSNARLL YKNGRPDYII VTQRPLTDEE GTEHLRKRNT
 KLPFMFTTGE AVLYEATNPF PAIMDPLPLR TKNGTSGKDS ATTSTLSKDS
 LNPSSLLAAM MQQDESIYLY PASSTSSTAP FENFFNESM NECRNWQDNT
 APMGNdTILK HEQIDQPQDV NSFAGGHPGL FQDSKNSDLY SIMKNLIDF
 EDIRHMQNEK FFRNDFSGEV DFRDIDLTDE ILTYVQDSLS KSPFIPSDYQ
 QQQSLALNSS CMVQEHLHLE QQQQHQQKQV VVEPQQQLCQ KMKHMQVNGM
 FENWNSNQFV PFNCPQQDPQ QYNVFTDLHG ISQEFYKSE MDSMPYTQNF
 ISCNQPVLPQ HSKCTELDYP MGSFEPSPYP TTSSLEDFVT CLQLPENQKH
 GLNPQSAIT PQTCYAGAVS MYQCQPEPQH THVGQMQYNP VLPGQQAFLN
 KFQNGVLNET YPAELNNINN TQTTTHLQPL HHPSEARPPF DLTSSGFL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

AHR aryl hydrocarbon receptor [Homo sapiens]

Official Symbol

AHR

Synonyms

AHR; aryl hydrocarbon receptor; bHLHe76; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76

Gene ID

196

mRNA Refseq

NM_001621

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Protein Refseq [NP_001612](#)

MIM [600253](#)

UniProt ID [P35869](#)

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