

Recombinant Human AHR, His-tagged

Cat. No. AHR-9497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AHR protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-387a.a.
Description	This gene encodes a ligand-activated 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. Its ligands included a variety of aromatic hydrocarbons.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	AHR aryl hydrocarbon receptor [Homo sapiens]
Official Symbol	AHR

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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
Protein Refseq	NP_001612
MIM	600253
UniProt ID	P35869
Chromosome Location	7p15
Pathway	Adipogenesis, organism-specific biosystem;
Function	DNA binding; DNA binding; Hsp90 protein binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; protein binding; protein dimerization activity; protein heterodimerization activity; receptor activity; sequen