

## Recombinant Human AHR, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AHR protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 1-387a.a.                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                     |

### GENE INFORMATION

|                        |                                                |
|------------------------|------------------------------------------------|
| <b>Gene Name</b>       | AHR aryl hydrocarbon receptor [ Homo sapiens ] |
| <b>Official Symbol</b> | AHR                                            |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | AHR; aryl hydrocarbon receptor; bHLHe76; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76;                                                                                                                    |
| <b>Gene ID</b>             | <a href="#">196</a>                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | <a href="#">NM_001621</a>                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_001612</a>                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | <a href="#">600253</a>                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">P35869</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 7p15                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Adipogenesis, organism-specific biosystem;                                                                                                                                                                                                                      |
| <b>Function</b>            | 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 |