

Recombinant Human AHR

Cat. No. AHR-26266TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 721-820 of Human Aryl hydrocarbon Receptor, with a proprietary tag. Predicted MWt 36.63kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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.
Molecular Weight	36.630kDa
Tissue specificity	Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGSFEPSYPTTSSLEDFVTCLQLPENQKHGLNPQSAITPQTCYAGAVSMYQCQP EPQHTHVGMQYNPVLPGQQAFLNKFQNGVLNETYPAELNNINN
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.Contains 1 PAC (PAS-associated C-terminal) domain.Contains 2 PAS (PER-ARNT-SIM) domains.
GENE INFORMATION	
Gene Name	AHR aryl hydrocarbon receptor [Homo sapiens]
Official Symbol	AHR
Synonyms	AHR; aryl hydrocarbon receptor; bHLHe76;
Gene ID	196
mRNA Refseq	NM_001621
Protein Refseq	NP_001612
MIM	600253
Uniprot ID	P35869
Chromosome Location	7p15
Pathway	Adipogenesis, organism-specific biosystem;

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Function

DNA binding; DNA binding; Hsp90 protein binding; ligand-dependent nuclear receptor activity; protein binding;

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