

Recombinant Human Aryl hydrocarbon receptor LBD/Hsp90 complex, GST-tagged

Cat. No. AHR-109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-tagged Aryl hydrocarbon receptor ligand-binding domain (AhR-LBD) consists of a 218 a.a. GST tag, a 16 a.a. flexible linker and a 207 a.a. Aryl hydrocarbon receptor ligand binding domain, Acc# NP_001612.1, amino acids 231-437. Human Aryl hydrocarbon receptor ligand-binding domain in complex with human Hsp90 was produced in insect cells co-infected with two recombinant baculoviruses. GST tagged AhR-LBD and Hsp90 are the major components of the complex.
Species	Human
Source	Sf9 Cells
Description	In the cytoplasm Aryl hydrocarbon receptor is found in complex with Hsp90. Complex of Aryl hydrocarbon receptor with Hsp90 is essential for ligand-dependent activation of the receptor.
Form	20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na ₂ MoO ₄ , 7 mM reduced glutathione, 15% glycerol.
Purity	>80%
Applications	Development of Ligand binding and coactivator peptide recruitment assays.
Storage	Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

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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](#)

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](#); [sequence-specific DNA binding](#); [sequence-specific DNA binding transcription factor activity](#); [sequence-specific distal enhancer binding](#) [RNA polymerase II transcription factor activity](#); [signal transducer activity](#); [transcription factor binding](#); [transcription regulatory region DNA binding](#);

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