

# Recombinant Human Androgen receptor LBD/Hsp90 complex, GST-tagged

**Cat. No.** AR-101H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Human GST-tagged Androgen receptor ligand-binding domain (AR-LBD) consists of a 218 a.a. GST tag, a 30 a.a. flexible linker and a 285 a.a. AR-LBD, amino acids 449-734. It was produced in complex with human Hsp90 to facilitate native protein conformation and advanced performance in ligand binding and coactivator peptide recruitment assays. Hsp90 is important for both the chaperone-mediated folding of the AR into a high-affinity ligand-binding conformation and the functional activity of the AR. GST tagged AR-LBD, human Hsp90 and human Hsc70 are major components of the complex.

### Species

Human

### Source

Sf9 Cells

### ProteinLength

449-734 aa

### Form

20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na<sub>2</sub>MoO<sub>4</sub>, 7 mM reduced glutathione, 15% glycerol.

### Purity

>80%

### Applications

Ligand binding and coactivatorpeptide 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** [AR androgen receptor \[ Homo sapiens \]](#)

**Official Symbol** [AR](#)

**Synonyms** [AR](#); androgen receptor; [DHTR](#), dihydrotestosterone receptor , [SBMA](#), spinal and bulbar muscular atrophy; [AIS](#); [HUMARA](#); Kennedy disease; [NR3C4](#); [SMAX1](#); testicular feminization; dihydrotestosterone receptor; androgen nuclear receptor variant 2; nuclear receptor subfamily 3 group C member 4; [KD](#); [TFM](#); [DHTR](#); [SBMA](#); [HYSP1](#);

**Gene ID** [367](#)

**mRNA Refseq** [NM\\_000044](#)

**Protein Refseq** [NP\\_000035](#)

**MIM** [313700](#)

**UniProt ID** [P10275](#)

**Chromosome Location** [Xq12](#)

**Pathway** [Alpha6-Beta4 Integrin Signaling Pathway](#), organism-specific biosystem; [Androgen Receptor Signaling Pathway](#), organism-specific biosystem; [Coregulation of Androgen receptor activity](#), organism-specific biosystem; [FOXA1 transcription factor network](#), organism-specific biosystem; [Gene Expression](#), organism-specific biosystem; [Generic Transcription Pathway](#), organism-specific biosystem; [IL-6 Signaling Pathway](#), organism-specific biosystem;

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**Function**

DNA binding; DNA binding; POU domain binding; androgen binding; androgen receptor activity; androgen receptor activity; androgen receptor activity; androgen receptor activity; androgen receptor activity; androgen receptor binding; beta-catenin binding; beta-catenin binding; beta-catenin binding; chromatin binding; enzyme binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; protein dimerization activity; receptor activity; receptor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; transcription factor binding; transcription regulatory region DNA binding; zinc ion binding;

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