

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 ₂ MoO ₄ , 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; HYSPI;
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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