Recombinant Active Rat Ar Protein (Ligand Binding Domain), GST/His-tagged

Cat. No. Ar-01R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant androgen receptor ligand binding domain (AR-LBD) is a rat protein, expressed as a GST- and His-tagged protein in insect cells. AR-LBD is expressed and purified in the absence of exogenous ligands, making it ideal for ligand-binding and coregulator recruitment studies.
Species	Rat
Source	Insect Cells
Description	Enables several functions, including androgen binding activity; androgen receptor binding activity; and nuclear receptor activity. Involved in several processes, including cellular response to hormone stimulus; mating; and regulation of transcription, DNA-templated. Located in several cellular components, including axon; dendrite; and nucleus. Used to study hypertension; osteoporosis; prostate adenocarcinoma; prostate cancer; and prostatic hypertrophy. Biomarker of acute kidney failure and androgen insensitivity syndrome. Human ortholog(s) of this gene implicated in several diseases, including attention deficit hyperactivity disorder; conduct disorder; disorder of sexual development (multiple); reproductive organ cancer (multiple); and spinal muscular atrophy (multiple). Orthologous to human AR (androgen receptor).
Molecular Mass	64.42 kDa
Storage	Store in ultra-cold freezer (-68 to -85 centigrade).

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GENE INFORMATION

Gene Name	Ar androgen receptor [Rattus norvegicus (Norway rat)]
Official Symbol	Ar
Synonyms	Ar; androgen receptor; Tfm; Andr; androgen receptor; androgen receptor (Testicular feminization), same as Tfm; dihydrotestosterone receptor; nuclear receptor subfamily 3 group C member 4
Gene ID	24208
mRNA Refseq	NM_012502
Protein Refseq	NP_036634
UniProt ID	A0A0G2JSI8

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