

Recombinant Rat AR Protein, His tagged

Cat. No. AR-743R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat AR Protein with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
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	The protein has a calculated MW of 61 kDa.
AA Sequence	MHHHHHHLRMEVQLGLGRVYPRPPSKTYRGAFQNLFSVREAIQNPGPRHPEAASI APPGACLQQRQETSPRRRRRQQHPEDGSPQAHIRGTTGYLALEEEQQPSQQQSA SEGHPESGCLPEPGAATAPGKGLPQQPPAPPDQDDSAAPSTLSLLGPTFPGLSSCS ADIKDILSEAGTMQLLQQQQQQQQQQQQQQQQQQQQQVEISEGSSSVRAREAT GAPSSSKDSYLGGNSTISDSAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAS

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LLGGPPAVRPTPCAPLAECKGLSLDEGPGKGTEETAHEYSSFKGGYAKGLEGESLGC
SGSSEAGSSGTLEIPSSLSLYKSGAVDEAAAYQNRDYNNFPLALSGPPHPPPPHPPH
ARIKLENPSDYGSAWAAAAAQCRYGDLASLHGGSVAGPSTGSPPATASSSWHTLFT
AEEGQLYGPGGGGGSSSPSDAGPVAPYGYTRPPQGLASQEGDFSASEVWYPGGV
VNRVPYPSPSCVKSEMGPWMENYSGPYGDMRLDSTRDHVLPIDYYFPPQKTCLIC
GDEASGCHYGALTCGSKVFFKRA

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.5 mg/mL by BCA

Storage Buffer Sterile PBS, pH 7.4

GENE INFORMATION

Gene Name *Ar* androgen receptor [*Rattus norvegicus*]

Official Symbol *Ar*

Synonyms AR; androgen receptor; dihydrotestosterone receptor; nuclear receptor subfamily 3 group C member 4; androgen receptor (Testicular feminization), same as Tfm; Tfm; Andr;

Gene ID 24208

mRNA Refseq NM_012502

Protein Refseq NP_036634

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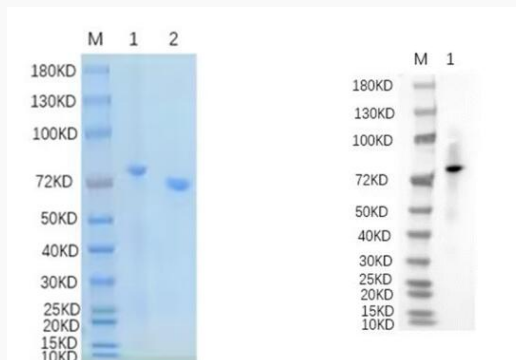
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UniProt ID

P15207

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profile of purified AR.



1. AR-743R

2. BSA

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