

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	MHHHHHHLRMEVQLGLGRVYPRPPSKTYRGAFQNLFQSVREAIQNPGRPHEAASI APPGACLQQRQETSPRRRRRQQHPEDGSPQAHIRGTTGYLALEEEQQPSQQQSA SEGHPESGCLPEPGAATAPGKGLPQQPPAPPDQDDSAAPSTLSLLGPTFPGLSSCS ADIKDILSEAGTMQLLQQQQQQQQQQQQQQQQQQQQQVEISEGSSSVRAREAT GAPSSSKDSYLGGNSTISDSAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAS

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LLGGPPAVRPTPCAPLAECKGLSLDEGPGKGTEETAHEYSSFKGGYAKGLEGESLGC
 SGSSEAGSSGTLEIPSSLSLYKSGAVDEAAAYQNRDYNNFPLALSGPPHPPPTPHPH
 ARIKLENPSDYGSAAAAAQCRCRYGDLASLHGGSVAGPSTGSPATASSSWHTLFT
 AEEGQLYGPGGGGSSSPSDAGPVAPYGYTRPPQGLASQEGDFSASEVWYPGGV
 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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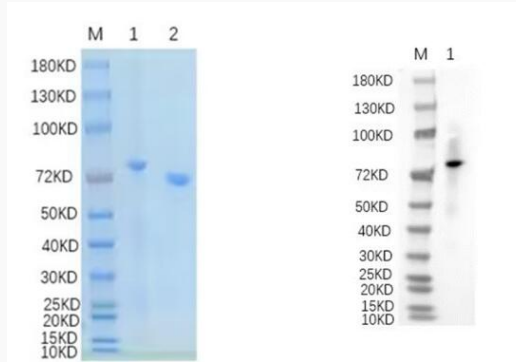
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UniProt ID

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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