

Recombinant Full Length Rat androgen receptor Protein, His-tagged

Cat. No. AR-983R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat AR Protein with N His-tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full length
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).
Tag	N-His
Molecular Mass	99 kDa
AA Sequence	MHHHHHHHHLRMEVQLGLGRVYPRPPSKTYRGAFQNLFSVREAIQNPGPRHPEA

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ASIAPPGACLQQRQETSPRRRRRQQHPEDGSPQAHIRGTTGYLALEEEQQPSQQQ
 SASEGHPESGCLPEPGAATAPGKGLPQQPPAPPDQDDSAAPSTLSLLGPTFPGLSS
 CSADIKDILSEAGTMQLLQQQQQQQQQQQQQQQQQQQQQEVISEGSSSVRARE
 ATGAPSSSKDSYLGGNSTISDSAKELCKAVSVSMGLGVEALEHLSPEQLRGDCMY
 ASLLGGPPAVRPTPCAPLAECKGLSLDEGPGKGTEETAEYSSFKGGYAKGLEGESL
 GCSGSSEAGSSGTLEIPSSLSLYKSGAVDEAAAYQNRDYYNFPALSGPPHPPPT
 HPHARIKLENPSDYGSAAAAAQCXYGDLASLHGGSVAGPSTGSPPATASSSWH
 TLFTAEEGQLYGPGGGGGSSSPSDAGPVAPYGYTRPPQGLASQEGDFSASEVWY
 PGGVVNRVPYPSPSCVKSEMGPWMENYSGPYGDMRLDSTRDHVLPIDYYFPPQKT
 CLICGEASGCHYGALTCGSKVFFKRAAEGKQKYL CASRNDCTIDKFRRKNCPSC
 RLRKCYEAGMTLGARKLKKLGNLKLQEEGENSSAGSPTEDPSQKMTVSHIEGYECQ
 PIFLNVLEAIEPGVVCAGHDNNQPDFAALLSSLNELGERQLVHVVKWAKALPGFRN
 LHVDDQMAVIQYSWMGLMVFAMGWSFTNVNSRMLYFAPDLVFNEYRMHKSRMY
 SQCVRMRHLSQEFGLWLQITPQEFLCMKALLLFSIIPVDGLKNQKFFDELRMNYIKELD
 RIIACKRKNPTSCSRIFYQLTKLLDSVQPIARELHQFTDLLIKSHMVSVDPEMMAEI
 ISVQVPKILSGKVKPIYFHTQ

Purity > 70 % 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 0.7 mg/mL by Bradford

Storage Buffer Sterile PBS, pH 7.4, 1mM DTT

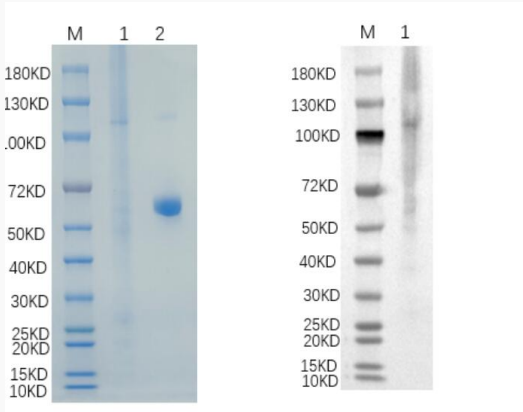
GENE INFORMATION

Gene Name *Ar androgen receptor [Rattus norvegicus (Norway rat)]*

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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
UniProt ID	P15207
Reducing 12 % SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified AR.  1. AR 2. BSA	