Recombinant Human AR protein, His-tagged

Cat. No. AR-991H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human androgen receptor fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Steroid hormone receptors are ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. Transcription activation is down-regulated by NR0B2. Activated, but not phosphorylated, by HIPK3 and ZIPK/DAPK3.
Form	20mM Tris-HCl, 0.5M NaCl, pH 8.0,50% glycerol
AA Sequence	MEVQLGLGRV YPRPPSKTYR GAFQNLFQSV REVIQNPGPR HPEAASAAPP GASLLLLQQQ QQQQQQQQQQ QQQQQQQQET SPRQQQQQQG EDGSPQAHRR GPTGYLVLDE EQQPSQPQSA LECHPERCVP EPGAAVAASK GLPQQLPAPP DEDDSAAPST LSLLGPTFPG LSSCSADLKD ILSEASTMQL LQQQQQEAVS EGSSSGRARE ASGAPTSSKD NYLGGTSTIS DNAKELCKAV SVSMGLGVEA LEHLPGEQLR GDCMYAPLLG VPPAVRPTPC APLAECKGSL LDDSAGKSTE DTAEYSPFKG GYTKGLEGES LGCSGSAAAG SSGTLELPST LSLYKSGALD EAAAYQSRDY YNFPLALAGP PPPPPPPHPH AIKLENPLDY GSAWAAAAAQ CRYGDLASLH GAGAAGPGSG SPSAAASSSW HTLFTAEEGQ LYGPCGGGGG GGGGGGGGGG GGGGGGGGGE AGAVAPYGYT RPPQGLAGQE SDFTAPDVWY

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	PGGMVSRVYP SPTCVKSEMG PWMDSYSGPY GDMRLETARD HVLPIDYYFP PQKTCLICGD EASGCHYGAL TCGSCKVFFK RAAEGKQKYL CASRNDCTID KFRRKNCPSC RLRKCYEAGM TLGARKLKKL GNLKLEEGEA SSTTSPTEET TQKLTVSHIE GYECQPIFLN VLEAIEPGVV CAGHDNNQPD SFAALLSSLN ELGERQLVHV VKWAKALPGF RNLHVDDQMA VIQYSWMGLM VFAMGWRSFT NVNSRMLYFA PDVFNEYRMH KSRMYSQCVR MRHLSQEFGW LQITPQEFLC MKALLLFSII PVDGLKNQKF FDELRMNYIK ELDRIIACKR KNPTSCSRRF YQLTKLLDSV QPIARELHQF TFDLLIKSHM VSVDFPEMME IISVQVPKIL SGKVKPIYFH TQ
Notes	Small volumes of AR recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap.
Storage	Store at -20 centigrade. For extended storage, conserve at -20 or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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; HYSP1;

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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;
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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