

Recombinant Human AR protein, GST-tagged

Cat. No. AR-737H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AR partial ORF (NP_000035, 221 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	221-320 aa
Description	The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract from the normal 9-34 repeats to the pathogenic 38-62 repeats causes spinal bulbar muscular atrophy (SBMA, also known as Kennedy's disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2017]
Molecular Mass	36.74 kDa

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AA Sequence	SKDNYLGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVP PAVRPTPCAPLAECKGSLDDDSAGKSTEDTAEYSPFKGGYTKGL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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;
Gene ID	367
mRNA Refseq	NM_000044
Protein Refseq	NP_000035
MIM	313700

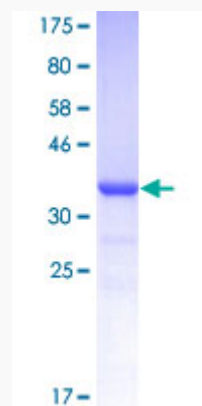
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UniProt ID

P10275



12.5% SDS-PAGE Stained with Coomassie Blue.

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