

Recombinant Mouse Ar protein, His & GST-tagged

Cat. No. Ar-6724M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ar aa. (Cys156~Ala310 (Accession # P19091)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Cys156~Ala310
Description	This gene encodes a nuclear hormone receptor containing zinc finger and DNA-binding domains. The encoded protein is a key regulator of signalling by androgens, a class of steroid hormones involved in male reproductive development. The protein responds to hormone signalling by translocating to the nucleus, forming dimers, and binding to androgen response elements (AREs) in the promoters of target genes, which are subsequently transcriptionally activated. Activity of this protein is negatively regulated by nuclear receptor subfamily 0 group B member 1 (Nr0b1, also known as Dax1). Mutations in this gene result in feminized genitals and infertility in male animals. Loss of function in female animals also causes problems in reproductive development and function.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
GENE INFORMATION	
Gene Name	Ar androgen receptor [Mus musculus (house mouse)]
Official Symbol	Ar
Synonyms	Tfm; AW320017; dihydrotestosterone receptor; nuclear receptor subfamily 3 group C member 4; testicular feminization; androgen receptor
Gene ID	11835

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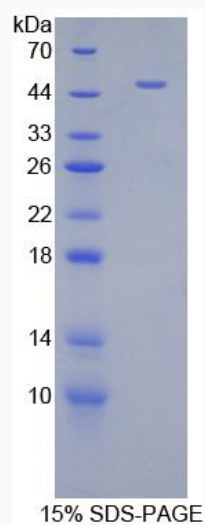
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mRNA Refseq NM_013476.4

Protein Refseq NP_038504.1

UniProt ID P19091

SDS-PAGE



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