

Recombinant Mouse Ar protein, His & GST-tagged

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

SPECIFICATION

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|-------------------------|--|
| 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 | <p>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.</p> |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 48.8kDa. |
| Endotoxin | <1.0EU per 1ug (determined by the LAL method) |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| 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

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|------------------------|--|
| 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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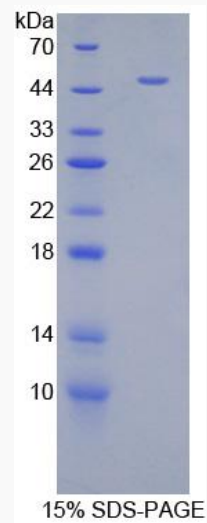
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mRNA Refseq [NM_013476.4](#)

Protein Refseq [NP_038504.1](#)

UniProt ID [P19091](#)

SDS-PAGE



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