

## Recombinant Mouse Nr0b1 protein, His & T7-tagged

**Cat. No.** Nr0b1-1094M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Nr0b1 aa. (Met1~Ala227 (Accession # Q61066) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1~Ala227
<b>Description</b>	This gene encodes an orphan nuclear receptor protein that plays a key role in differentiation of the gonads. This protein regulates steroidogenic factor 1 (Sf-1) in a dose-dependent manner, sometimes functioning as a repressor of SF-1 target genes, and sometimes functioning as a co-activator. Overexpression of this gene can cause feminization of the XY male gonads. This gene is also involved in the maintenance of embryonic stem cell pluripotency. Mutations in the related gene in human cause congenital adrenal hypoplasia and hypogonadotropic hypogonadism.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.2kDa.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>90%

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<b>Characteristic</b>	The isoelectric point is 7.0.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	Nr0b1 nuclear receptor subfamily 0, group B, member 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Nr0b1
<b>Synonyms</b>	Nr0b1; nuclear receptor subfamily 0, group B, member 1; AHX; Ahc; Ahch; Dax1; DAX-1; nuclear receptor subfamily 0 group B member 1; adrenal hypoplasia congenita-like protein; adrenal hypoplasia, congenital homolog; nuclear receptor DAX-1

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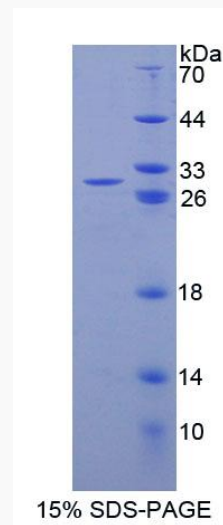
**Gene ID** 11614

**mRNA Refseq** NM\_007430.5

**Protein Refseq** NP\_031456.1

**UniProt ID** Q61066

**SDS-PAGE**



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