

## Recombinant Mouse Nr0b1 Protein, MYC/DDK-tagged

Cat. No. Nr0b1-556M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse nuclear receptor subfamily 0, group B, member 1 (Nr0b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<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>Molecular Mass</b>	53 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Nr0b1 nuclear receptor subfamily 0, group B, member 1 [ Mus musculus (house mouse) ]

**Official Symbol** Nr0b1

**Synonyms** 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

**Gene ID** 11614

**mRNA Refseq** NM\_007430

**Protein Refseq** NP\_031456

**UniProt ID** Q61066

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