

## Active Recombinant Mouse Il1a protein

Cat. No. Il1a-306M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Il1a protein(NP_034684.2)(Ser115-Ser270) was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser115-Ser270
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Immobilized mouse IL1A at 10 µg/mL (100 µl/well) can bind mouse IL1R1, The EC50 of mouse IL1R1 is 0.13 µg/mL.2. Measured by its ability to induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells.The ED50 for this effect is typically 15-60 ng/mL.
<b>Molecular Mass</b>	The recombinant mouse IL1A consists of 157 amino acids and migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions as predicted.
<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

<b>Gene Name</b>	Il1a interleukin 1 alpha [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Il1a
<b>Synonyms</b>	IL1A; interleukin 1 alpha; interleukin-1 alpha; IL-1 alpha; Il-1a;
<b>Gene ID</b>	16175
<b>mRNA Refseq</b>	NM_010554
<b>Protein Refseq</b>	NP_034684

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