

Active Recombinant Mouse Il1a protein

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

SPECIFICATION

Product Overview	Recombinant Mouse Il1a protein(NP_034684.2)(Ser115-Ser270) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser115-Ser270
Form	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.
Bio-activity	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.
Molecular Mass	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.
Purity	> 92 % as determined by SDS-PAGE
Storage	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

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

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