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# Mouse recombinant IL-28A (Interleukin-28A) protein, AF

**Catalog Number:** PROTQ4VK74-2

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## Overview

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| Product Name | Mouse recombinant IL-28A (Interleukin-28A) protein, AF |
| Description | Interleukin 28A (IL-28A) predicts a molecular mass of 22.3 kDa. IL-28 comes in two isoforms, IL-28A and IL-28B, and plays a role in immune defense against viruses, including the induction of an "antiviral state" by turning on Mx proteins, 2',5'-oligoadenylate synthetase as well as ISGF3G. |
| Size | 5ug,20ug,100ug |
| Tag | His Tag (C-term) |
| Form | Lyophilized |
| Source | Escherichia coli |
| Formulation | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us. |

## Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

## Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 20.61 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The $ED_{50}$ for this effect is <2 ng/mL.

### Endotoxin

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<0.1 EU per 1 ug of the protein by the LAL method.

## Amino Acid Sequence

MDPVPRATRLPVEAKDCHIAQFKSLSPKELQAFKKAKDAIEKRLLEKDMRCSSHLISRAWDLKQLQVQERPKALQAEVALTLKVWENMTDSALATILGQ PLHTLSHIHSQLQTCTQLQATAEPKPPSRRLSRWLHRLQEAQSKETPGCLEDSVTSNLFRLLTRDLKCVASGDQCV with polyhistidine tag at the C-terminus.

## Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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## Usage

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