

RP00622

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# Recombinant *Cavia porcellus* IL-1b/IL-1 beta/IL-1F2 Protein

Catalog No.: RP00622

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
<i>Cavia porcellus</i>	100135556	Q9WVG1

### Tags

C-6×His

### Synonyms

Interleukin-1 beta; IL-1 beta; IL1B

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Interleukin-1 beta (IL1B) belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological functions. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells.

## Basic Information

### Description

Recombinant *Cavia porcellus* IL-1b/IL-1 beta/IL-1F2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Thr115-Ser266) of *Cavia porcellus* IL-1b/IL-1 beta/IL-1F2 (Accession #Q9WVG1) fused with an initial Met at the N-terminus and a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

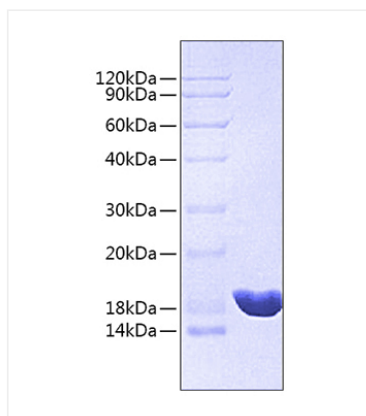
## Contact



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## Validation Data

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Recombinant *Cavia porcellus* IL-1b/IL-1 beta/IL-1F2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.