

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-6xHis

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 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

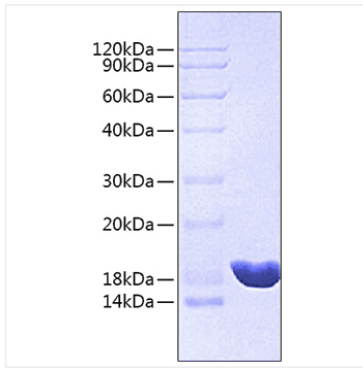
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



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