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Datasheet for ABIN5855196

## IL-1 beta Protein (AA 113-271) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	IL-1 beta (IL1B)
Protein Characteristics:	AA 113-271
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-1 beta protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Characteristics:	IL-1, alpha, 113-271aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 90 % by SDS - PAGE

#### Target Details

Target:	IL-1 beta (IL1B)
Alternative Name:	IL-1 ( <a href="#">IL1B Products</a> )
Background:	IL-1 consists of two distinct forms, IL-1 alpha and IL-1 beta which perform the same functions but are distinct proteins. IL-1alpha is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is also temporarily upregulated during bone formation and the menstrual cycle and can be induced in response to nervous system stimulation. Recombinant IL-1a protein was expressed in E.coli and purified by

## Target Details

using conventional chromatography techniques. Synonyms: IL-1 alpha, Hematopoietin-1, Interleukin-1 alpha: Interleukin-1a, IL-1a, Interleukin-1 alpha, IL1A, interleukin 1 alpha, IL1F1, IL-1A, preinterleukin 1 alpha, pro-interleukin-1-alpha,. NCBI no.: NP\_000566

Molecular Weight: 22.4kDa (197aa), confirmed by MALDI-TOF.

Pathways: [NF-kappaB Signaling](#), [Interferon-gamma Pathway](#), [TLR Signaling](#), [Negative Regulation of Hormone Secretion](#), [Cellular Response to Molecule of Bacterial Origin](#), [Carbohydrate Homeostasis](#), [Glycosaminoglycan Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Autophagy](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

## Application Details

Restrictions: For Research Use only

## Handling

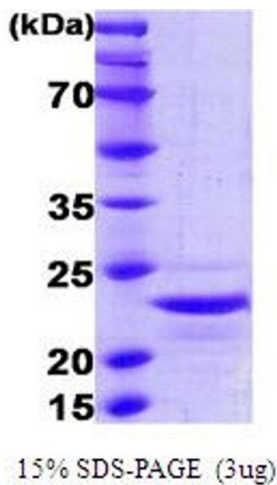
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid in 20mM Tris-HCl pH 7.5, 10% glycerol

Storage: 4 °C

## Images



### SDS-PAGE

Image 1.