

Datasheet for ABIN7597423

## IL1A Protein (AA 113-271) (mFc Tag)



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### Overview

Quantity:	10 µg
Target:	IL1A
Protein Characteristics:	AA 113-271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1A protein is labelled with mFc Tag.

### Product Details

Purpose:	Recombinant human IL1A Protein with C-terminal mouse Fc tag
Sequence:	IL1A(Ser113-Ala271) mFc(Pro99-Lys330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	IL1A
Alternative Name:	IL1A ( <a href="#">IL1A Products</a> )
Background:	<p>IL1, IL-1A, IL1F1, IL1-ALPHA, IL-1 alpha</p> <p>The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein,</p>

## Target Details

which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq, Jul 2008]

**Molecular Weight:** predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL1A-mFc is 35-70 kDa due to glycosylation.

**UniProt:** [P01583](#)

**Pathways:** [NF-kappaB Signaling](#), [Autophagy](#), [Cancer Immune Checkpoints](#)

## Application Details

**Application Notes:** Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

**Comment:** The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months