



[Go to Product page](#)

Datasheet for ABIN7505547  
**IL1A Protein (AA 115-270) (His tag)**

### Overview

Quantity:	100 µg
Target:	IL1A
Protein Characteristics:	AA 115-270
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1A protein is labelled with His tag.

### Product Details

Sequence:	Ser 115-Ser 270
Characteristics:	A DNA sequence encoding the Rat IL1A/IL-1F1 protein (P16598) (Ser 115-Ser 270) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	IL1A
Alternative Name:	IL1A ( <a href="#">IL1A Products</a> )
Background:	Abbreviation: IL1A,IL-1F1 Target Synonym: BAF,Hematopoietin-1,IL1 alpha,IL-1 alpha,IL1,IL1A,IL-1A,IL1-ALPHA,IL1F1,IL-1F1,IL1F1hematopoietin-1,interleukin 1,alpha,interleukin-1 alpha,LAF,LEM,preinterleukin 1 alpha,pro-interleukin-1-alpha

## Target Details

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Background: IL-1 alpha (Interleukin-1 alpha) is a cytokine that is induced during microbial exposure and promotes the release of multiple inflammatory mediators and acute phase proteins. It also supports hematopoietic stem cell expansion, promotes neutrophil mobilization from the bone marrow, and promotes osteoclast formation. IL-1 alpha signals through a receptor complex composed of IL-1 RI and IL-1 RAcP. It also binds the decoy receptor IL-1 RII which associates with IL-1 RAcP but does not transduce signaling.

Molecular Weight: Calculated MW: 17.05 kDa  
Observed MW: 16 kDa

UniProt: [P16598](#)

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

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months