

## Datasheet for ABIN7505592 IL1A Protein (AA 1-271)



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### Overview

Quantity:	100 µg
Target:	IL1A
Protein Characteristics:	AA 1-271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

### Product Details

Sequence:	Met1-Ala271
Characteristics:	A DNA sequence encoding the Human IL-1 $\alpha$ protein (P01583) (1-271) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

### Target Details

Target:	IL1A
Alternative Name:	IL-1alpha ( <a href="#">IL1A Products</a> )
Background:	Abbreviation: IL-1 $\alpha$ Target Synonym: IL-1 alpha,Hematopoietin-1,IL1A,IL1F1,Interleukin-1 alpha,IL1a Background: Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.

## Target Details

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IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

Molecular Weight: Calculated MW: 30.6 kDa  
Observed MW: 35 kDa

UniProt: [P01583](#)

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., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.  
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