

Datasheet for ABIN7274874

**IL1A Protein (AA 113-271) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL1A
Protein Characteristics:	AA 113-271
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1A protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus IL-1 alpha/IL-1A Protein
Sequence:	Ser113-Ala271
Characteristics:	Recombinant Cynomolgus IL-1 alpha/IL-1A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser113-Ala271.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	IL1A
Alternative Name:	IL-1 alpha ( <a href="#">IL1A Products</a> )

## Target Details

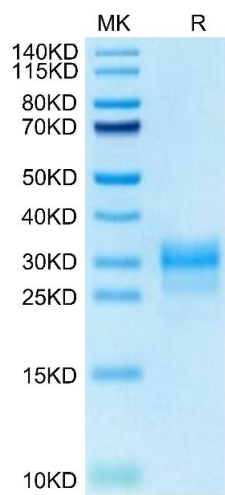
Background:	The interleukin (IL)-1 family of cytokines is currently comprised of 11 members that have pleiotropic functions in inflammation and cancer. IL-1 $\alpha$ and IL-1 $\beta$ were the first members of the IL-1 family to be described, and both signal via the same receptor, IL-1R. Over the last decade, much progress has been made in our understanding of biogenesis of IL-1 $\beta$ and its functions in human diseases.
Molecular Weight:	19.23 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P79340</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Autophagy</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
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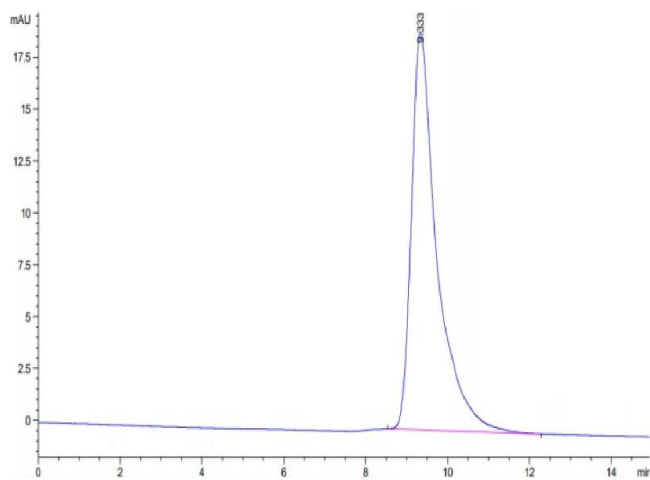
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Cynomolgus IL-1 alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus IL-1 alpha is greater than 95 % as determined by SEC-HPLC.