

Datasheet for ABIN7274935

**IL-3 Protein (AA 20-143) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-3
Protein Characteristics:	AA 20-143
Origin:	Cynomolgus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus IL-3 Protein
Sequence:	Ala20-Gln143
Characteristics:	Recombinant Cynomolgus IL-3 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ala20-Gln143.
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.
Biological Activity Comment:	The affinity constant of 1.30 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

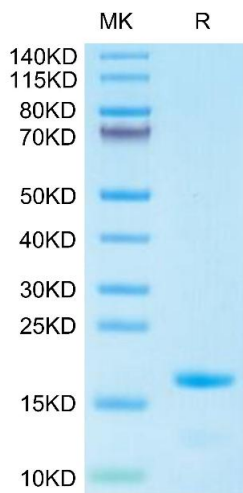
Target:	IL-3
Alternative Name:	IL-3 ( <a href="#">IL-3 Products</a> )
Background:	Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.
Molecular Weight:	15.13 kDa same as Tris-Bis PAGE result.
UniProt:	<a href="#">G7P877</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Autophagy</a>

## Application Details

Restrictions:	For Research Use only
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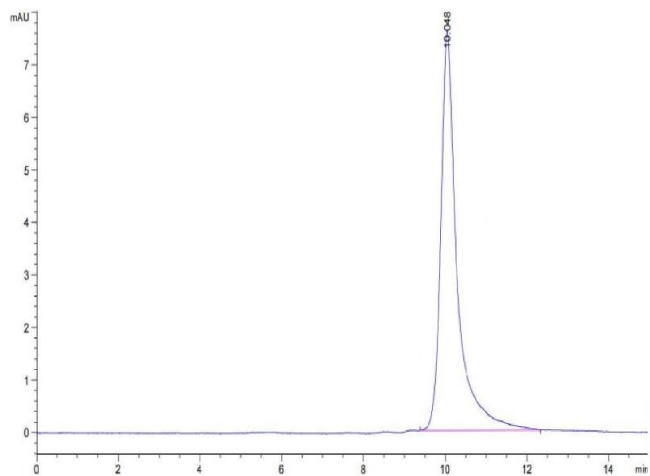
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°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



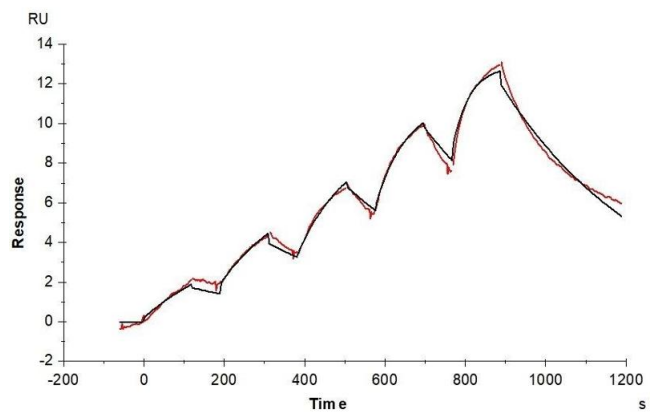
SDS-PAGE

**Image 1.** Cynomolgus IL-3 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-3 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

**Image 3.** Cynomolgus IL-3 R alpha, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-3, His Tag with an affinity constant of 1.30 nM as determined in SPR assay (Biacore T200).