

# Cynomolgus IL13 / ALRH (His Tag) recombinant protein



Catalog Number: 500848

## General Information

### Protein Construction

A DNA sequence encoding the mature form of Cynomolgus (*Macaca fascicularis*) IL-13 (ABG75889.1) (Ser 21-Asn 132) was fused with a polyhistidine tag at the N-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized cynomolgus IL-13 at 4 µg/ml (100 µl/well) can bind human IL13RA1 with a linear ranger of 0.156-2.5 µg/ml.
2. Measured in a cell proliferation assay using TF1 human erythroleukemic cells (Kitamura, T. et al. (1989) J. Cell Physiol. 140:323.). The ED<sub>50</sub> for this effect is typically 50-200 ng/mL.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

His

### Molecular Mass

The recombinant cynomolgus IL13 consists of 128 amino acids and has a calculated molecular mass of 14.5 kDa. The apparent molecular mass of the protein is approximately 25-35 kDa in SDS-PAGE under reducing conditions.

### Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

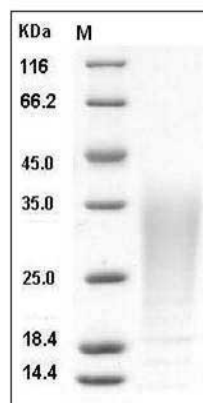
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Cynomolgus IL13 / ALRH Protein (His Tag) SDS-PAGE