

# Rhesus IL12A & IL12B (IL12A & IL12B Heterodimer) recombinant protein



Catalog Number: 503586

## General Information

### Gene Name Synonym

Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL-12 subunit p35

### Protein Construction

A DNA sequence encoding the rhesus IL12A (NP\_001038199.1) (Met1-Ser219) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rhesus IL12B (NP\_001038190.1) (Met1-Ser328) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the rhesus IL12A & the rhesus IL12B heterodimer was purified.

### Organism

Rhesus

### Expression Host

Human Cells

## QC Testing

### Purity

(23.1+26.7+49.4) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Arg 23 & Ile 23

### Molecular Mass

The recombinant rhesus IL12A & the rhesus IL12B comprises 525(208+317) amino acids and has a calculated molecular mass of 60.2(24+36.2) KDa.

### 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

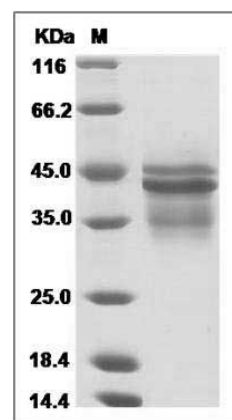
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 / Rhesus IL-12 (IL12A & IL12B Heterodimer) Protein SDS-PAGE