

# Human IL12A / IL-12A (His Tag) recombinant protein



Catalog Number: 501688

## General Information

### Gene Name Synonym

Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL-12 subunit p35; NK cell stimulatory factor chain 1

### Protein Construction

A DNA sequence encoding the p35 subunit of human IL12, termed as IL12A (P29459) (Met 1-Ser 219) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind Human IL12B-his in functional ELISA.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ 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°C

### Predicted N terminal

Arg 23

## Molecular Mass

The recombinant human IL12A consists of 208 amino acids and has a predicted molecular mass of 24 kDa. As a result of glycosylation, the rhIL12A migrates as an approximately 35-40 kDa band 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

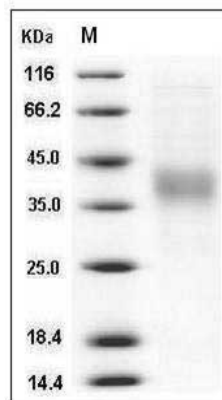
### Storage

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



Human IL12A / NKSF1 Protein (His Tag) SDS-PAGE