

# Human IL12A & IL12B (His Tag) recombinant protein



Catalog Number: 503880

## General Information

### Gene Name Synonym

Cytotoxic lymphocyte maturation factor 40 kDa subunit; IL-12 subunit p40; NK cell stimulatory factor chain 2

### Protein Construction

A DNA sequence encoding the human IL12 complex composed of IL12B (NP\_002178.2) (Met1-Ser328) and the mature form of human IL12A (NP\_000873.2) (Arg 23 - Ser 219) linked by a polypeptide linker was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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

Ile 23

## Molecular Mass

The recombinant human consists 529 amino acids and predicts a molecular mass of 59.6 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

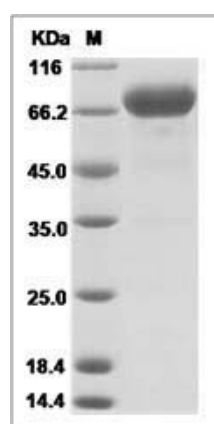
### Storage

Store it under sterile conditions at -20°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 IL-12 Protein (IL12A & IL12B Heterodimer) Protein (His Tag)