# Human IL12B/IL-12B (Fc Tag) recombinant protein

Catalog Number: 500756



#### **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 p40 subunit of human IL12, termed asIL12B (NP\_002178.2) (Met 1-Ser 328) was fused with the Fc region ofhuman IgG1 at the C-terminus.

# **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Activity**

Measured by its binding ability in a functional ELISA.

Immobilized human IL12RB1 at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind human IL12B with a linear ranger of 2.56-64 ng/ml.

## **Purity**

> 85 % 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 $^{\circ}$ C

## **Predicted N terminal**

Ile 23

#### **Molecular Mass**

The recombinant human IL12B consists of 544 amino acids and has a predicted molecular mass of 61.4 kDa.

#### **Formulation**

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

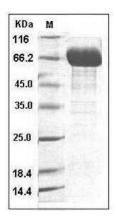
# Storage

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 IL12B / P40 Protein (Fc Tag) SDS-PAGE