# 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  $^{\circ}\mathrm{C}$ 

**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**

KDa	М		
116	-	1	a
66.2	-	-	h
45.0	eres anna		
35.0	-	-	
25.0	-	1977	
18.4	-		
14.4	-	-	



