

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 as IL12B (NP_002178.2) (Met 1-Ser 328) was fused with the Fc region of human 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 µg/ml (100 µl/well) can bind human IL12B with a linear range of 2.56-64 ng/ml.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg 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

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

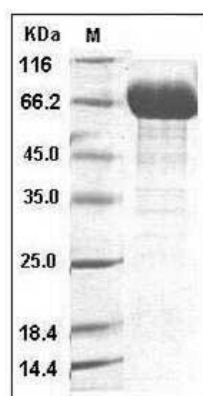
Storage

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