

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



Catalog Number: 503329

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 a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated recombinant human IL12RB1 in a functional ELISA.
2. Measured by its ability to bind biotinylated Human IL12A-his in functional ELISA.

Purity

> 97 % 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 317 amino acids and has a predicted molecular mass of 36.2 kDa. As a result of glycosylation, the apparent molecular mass of rhIL12B is approximately 40-50 kDa 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

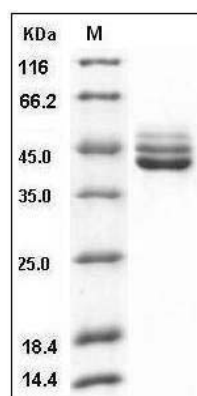
Storage

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 IL12B / P40 Protein (His Tag) SDS-PAGE