

Human IL12RB1(CD212) (His Tag) recombinant protein



Catalog Number: 501974

General Information

Gene Name Synonym

IL-12 receptor beta component

Protein Construction

A DNA sequence encoding the human IL12RB1 isoform 1 (NP_005526.1) extracellular domain (Met 1-Glu 540) was expressed, fused with a polyhistidine tag 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 rangel of 2.56-64 ng/ml.

Purity

> 94 % 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

Cys 24

Molecular Mass

The recombinant human IL12RB1 consists of 528 amino acids and predicts a molecular mass of 58.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL12RB1 is approximately 70 kDa due to glycosylation.

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

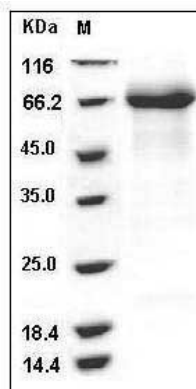
Storage

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 IL12RB1 / IL12RB / CD212 Protein (His Tag) SDS-PAGE