

Human IL23R / IL23 Receptor (Fc Tag) recombinant protein



Catalog Number: 504738

General Information

Protein Construction

A DNA sequence encoding the human IL23R (Met1-Asp353) was expressed 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.

1. Immobilized human IL23A-His+IL12B-His (Cat:CT012-H08H) at 10 µg/ml (100 µl/well) can bind human IL23R-Fc. The EC₅₀ of human IL23R-Fc is 0.28-0.66 µg/ml.

2. Immobilized mouse IL12Bh (m)+mIL23Ah (Cat:CT028-M08H) at 10 µg/ml (100 µl/well) can bind human IL23R-Fc. The EC₅₀ of human IL23R-Fc is 0.14-0.35 µg/ml.

Purity

(45+17.3+30.1) % 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

Gly 24

Molecular Mass

The recombinant human IL23R /Fc is a disulfide-linked homodimer. The reduced monomer comprises 571 amino acids and has a predicted molecular mass of 64.9 kDa. The apparent molecular mass of the protein is approximately 92, 58 and 37 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

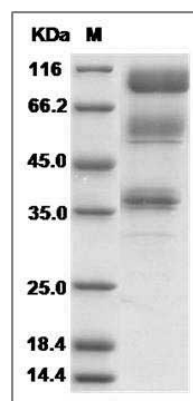
Storage

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 IL23R / IL23 Receptor Protein (Fc Tag)
SDS-PAGE