

Human WSX-1/IL-27R (Fc Tag) recombinant protein



Catalog Number: 501241

General Information

Gene Name Synonym

Cytokine receptor WSX-1; Cytokine receptor-like 1; Type I T-cell cytokine receptor; ZcytoR1

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 514) of human IL27R? (NP_004834.1) 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 IL27 at 20 µg/ml (100 µl/well) can bind human IL27Ra with a linear ranger of 0.064-1.6 µg/ml.

Purity

> 95 % 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

Gln 33

Molecular Mass

The recombinant human IL27R?/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 722 amino acids and has a predicted molecular mass of 79 kDa. As a result of glycosylation, rh IL27R?/Fc monomer migrates as an approximately 105-115 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4, 8% trehalose, 8% mannitol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

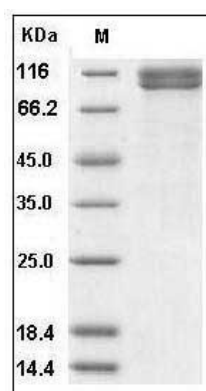
Storage

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



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SDS-PAGE