

Human JAG1/Jagged 1(CD339) (Fc Tag) recombinant protein



Catalog Number: 501604

General Information

Protein Construction

A DNA sequence encoding the human JAG1 (NP_000205.1) extracellular domain (Met 1-Ser 1046) was fused with Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to enhance BMP2 induced alkaline phosphatase activity in C3H10T1/2 mouse embryonic fibroblast cells.

The ED₅₀ for this effect is typically 5-30 µg/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

Gln 34

Molecular Mass

The recombinant human JAG1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 1254 amino acids and has a predicted molecular mass of 137 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh JAG1/Fc monomer is approximately 180-200 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

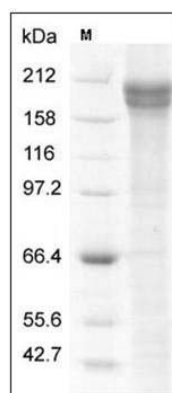
Storage

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



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SDS-PAGE