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

Catalog Number: 504012

General Information

Protein Construction

A DNA sequence encoding the human JAG1 (NP_000205.1) extracellular domain (Met 1-Ser 1046) was expressed, fused with a polyhistidine tag 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 ED_{50} for this effect is typically 4-20 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℃

Predicted N terminal

Gln 34

Molecular Mass

The recombinant human JAG1 consists of 1024 amino acids and has a predicted molecular mass of 112 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh JAG1 is approximately 160-180 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

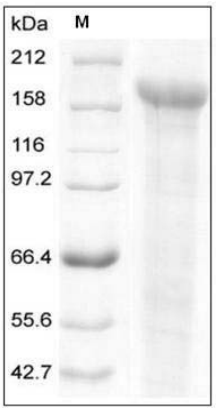
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 JAG1 / Jagged 1 / CD339 Protein (His Tag) SDS-PAGE