

## Active Recombinant Human JAG1 protein, His-tagged

**Cat. No.** JAG1-3226H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human JAG1 protein(NP_000205.1)(Met 1-Ser 1046) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-1046 aa                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | 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 4-20 µg/mL.                               |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                         |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                        |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

thaw cycles.

#### Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

### GENE INFORMATION

**Gene Name** JAG1 jagged 1 [ Homo sapiens ]

**Official Symbol** JAG1

**Synonyms** JAG1; jagged 1; AGS, Alagille syndrome, JAGL1; protein jagged-1; AHD; AWS; CD339; HJ1; AGS; JAGL1; MGC104644;

**Gene ID** 182

**mRNA Refseq** NM\_000214

**Protein Refseq** NP\_000205

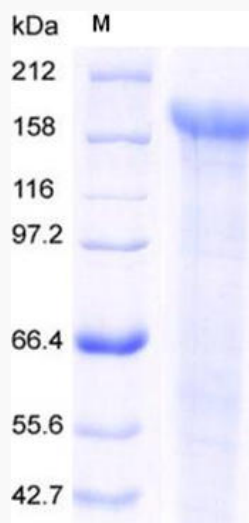
**UniProt ID** P78504

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SDS-PAGE



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