

## Active Recombinant Human JAG1, Fc tagged

Cat. No. JAG1-3138H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human JAG1 (NP_000205.1) extracellular domain (Met 1-Ser 1046), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Ser 1046
<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 5-30 µg/mL.
<b>Molecular Mass</b>	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 human JAG1/Fc monomer is approximately 185.5 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 85 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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** 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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