

## Active Recombinant Human JAG1 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human JAG1 protein(Gln 34 - Ser 1046), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	34-1046 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Human Jagged 1, His Tag immobilized on CM5 Chip can bind Human NOTCH1, Fc Tag with an affinity constant of 5.13 µM as determined in a SPR assay (Biacore T200).
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 112.3 kDa. The protein migrates as 130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Gln34-Ser1046
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.

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**Storage** For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**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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