

Recombinant Human JAG1 protein, His-tagged

Cat. No. JAG1-1821H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JAG1 aa. (Gly33~Asp250 (Accession # P78504)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly33~Asp250
Description	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.
Form	Freeze-dried powder
Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.1.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	JAG1 jagged 1 [Homo sapiens (human)]
Official Symbol	JAG1
Synonyms	RNASE4; ribonuclease A family member 4; RAB1; RNS4; ribonuclease 4; RNase 4; ribonuclease A B1; ribonuclease, RNase A family, 4
Gene ID	182
mRNA Refseq	NM_000214.2
Protein Refseq	NP_000205.1

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UniProt ID

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