

## 32-7853: Recombinant Human Jagged-1/JAG1/CD339 (C-Fc)

**Gene :** JAG1  
**Gene ID :** 182  
**Uniprot ID :** P78504

### Description

Source: Human Cells.  
MW :138.5kD.

Recombinant Human jagged-1 is produced by our Mammalian expression system and the target gene encoding Gln34-Ser1046 is expressed with a Fc tag at the C-terminus. Protein jagged-1 I, also known as Jagged-1, JAGL1, HJ1, JAG1 and CD339, is a single-pass type I membrane protein. JAG1 contains one DSL domain and sixteen EGF-like domain. JAG1 acts as a ligand for multiple Notch receptors and is involved in the mediation of Notch signaling. JAG1 may participate in early and late stages of mammalian cardiovascular development, JAG1 inhibits myoblast differentiation and enhances fibroblast growth factor-induced angiogenesis. Defects in JAG1 are the cause of Alagille syndrome type 1, which is autosomal dominant multisystem disorder defined clinically by hepatic bile duct paucity and cholestasis in association with cardiac, skeletal, and ophthalmologic manifestations.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QFELEILSMQNVNGELQNGNCCGGARNPGDRKCTRDECPTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIIGN TFNLKASRGNDRNRIVLPFSFAWPRSYLLVEAWDSSNDTVQPDSIEKASHSGMINPSRQWQTLKQNTGVAH FEYQIRVTCDDYYYGFGCNKFCRPRDDFFGHYACDQNGNKTCEGWMGPECNRAICRQGCSPKHGSKLPG DCRCQYGWQGLYCDKCIHPGCVHIGICNEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGGTCSTGPDK YQCSCPEGYS GPNCEIAEHACLSDPCHNRGSKETSLGFCECSPGWTGPTCSTNIDDCSPNNCSHGTCQD LVNGFKVCPPQWTGKTCQLDANECEAKPCVNAKSCNLIASYYCDCLPGWMQNCNDININDCLGQCQND SCRDLVNGYRCICPPGYAGDHCERDIDECASNPLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQ NGAQCYNRASYFCCKPEDYEGKNCSHLKDHCRTTPEVIDSCTVAMASNDTPEGVRYISSNVCVPHGKCKS QSGGKFTCDCKNGFTGTCHENINDCESNPCRNGGTCIDGVNSYKICSDGWEGAYCETNINDCSQNPCHNG GTCRDLVNDYFCDCKNGWKGTCHSRDSQCDEATCNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCL PNPCHNGGTCVNGESFTCVCKEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRIN INEQSSPCAFGATCVDEINGYRCVPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQLNGRIACS KVWCGPRPCLLHKHGHSECPGQSCIPILDDQCFVHPCTGVGECRSSLPQVTKTCTSDSYQDNCANITFTFNK EMMSPGLTTEHICSELRLNLIKNSVAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN SVDDIEGRMDEPKCDKHTCPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYV DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPP SREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS VMHEALHNHYTQKSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Åµg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.