

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 FEYQIRVTCDDYYYGFCNKFCRPRDDFFGHYACDQNGNKTCEGWMGPECNRAICRQGCSPKHGSKLPG DCRCQYGWQGLYCDKCIHPGCVHIGICNEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGGTCSTGPDK YQCSCPEGYS GPNCEIAEHACLSDPCHNRGSKETSLGFCECSPGWTGPTCSTNIDDCSPNNCSHGGTCQD LVNGFKVCPPQWTGKTCQLDANECEAKPCVNAKSCNLIASYYCDCLPGWMQNCNDININDCLGQCQNDA SCRDLVNGYRCICPPGYAGDHCERDIDECASNPLNGGHQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQ NGAQCYNRASYFCCKPEDYEGKNCSHLKDHCRTTPEVIDSCTVAMASNDTPEGVRYISSNVCVPHGKCKS QSGGKFTCDCKNGFTGTCHENINDCESNPCRNGGTCIDGVNSYKICSDGWEGAYCETNINDCSQNPCHNG GTCRDLVNDYFCCKNGWKGTCHSRDSQCDEATCNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCL PNPCHNGGTCVNGESFTCVCKEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRIN INEQSSPCAFGATCVDEINGYRCVPPGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNTCQCLNGRIACS KVWCGPRPCLLHKHGHSECPGQSCIPILDDQCFVHPCTGVGECRSSLPQVTKTCTSDSYQDNCANITFTFNK EMMSPGLTTEHICSELRLNLIKNSVAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGN SVDDIEGRMDEPKCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYV 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 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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