

Recombinant Human JAG1 Protein, His-tagged

Cat. No. JAG1-338H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human JAG1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1218
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 is involved in signaling processes. 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	Lyophilized
Molecular Mass	112.3 kDa
AA Sequence	MRSRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNDELQNGNCCG GARNPGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFSGSTPVIGGNTFNLKA SRGNDRNRIVLPFSFAWPRSYTLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQW QTLKQNTGVAHFYQIRVTCDDYYGFGCNKFCRPRDDFFGHYACDQNGNKTOME GWMGPECNRAICRQGCSPKHGSKLPGDCRCQYGWQGLYCDKCIPHPGCVHGIC NEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGGTCSTGPDKYQCSCPEGYS GPNCEIAEHACLSDPCHNRGSKETSLGFCECSPGWTGPTCSTNIDDCSPNNCS

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HGGTCQDLVNGFKVCPPQWTGKTCQLDANECEAKPCVNAKSCKNLIASYCDCL
 PGWMGQNCNDININDCLGQCQNDASCRDLVNGYRCICPPGYAGDHCERDIDECASN
 PCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYFC
 KCPEDYEGKNCSHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCGPHGKC
 KSQSGGKFTCDCNKGFTGTYPHENINDCESNPCRNNGGTCIDGVNSYKICSDGWE
 GAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKNGWKGKTCHSRDSQCDEATC
 NNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVVNGESFTC
 VCKEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININE
 CQSSPCAFGATCVDEINGYRCVCPGHSKAKCQEVSGRPCITMGSVIPDGAKWDD
 DCNTCQCLNGRIACSKVWCGPRPCLLHKHGHSECPGQSCIPILDDQCFVHPCTGVG
 ECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMMSPGLTTEHICSELRNLNILKNV
 SAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGNSSLIAAVA
 EVRVQRRPLKNRTDFLVPLSSVLTVAWICCLVTAFYWCLRKRRKPGSHTHSASED
 NTTNNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDDMDKHQQ
 KARFAKQPAYTLVDREKPPNGTPTKHPNWTNKQDNRDLESAQSLNRMEYIV

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

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Reconstitution

Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name JAG1 jagged 1 [Homo sapiens (human)]

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

MIM 601920

UniProt ID P78504

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