

Recombinant Full Length Human JAG1 Protein, C-Flag-tagged

Cat. No. JAG1-1115HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human JAG1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	133.6 kDa
AA Sequence	MRSRTRGRSGRPLSLLLALLCALRAKVCASGQFELEILSMQNVNGELQNGNCCG GARNPGDRKCTRDE CDTYFKVCLKEYQSRVTAGGPCSFGSGSTPVIGGNTFNLKA SRGNDRNRIVLPFSFAWPRSYTLLVEAWD SSNDTVQPDSIIKASHSGMINPSRQW QTLKQNTGVAHFHEYQIRVTCDDYYYGFGCNKFCRPRDDFFGHY ACDQNGNKTCM EGWMGPECNRAICRQGCSPKHGSCCLPGDCRCQYGWQGLYCDKCIPHPGCVHGI CNEPW QCLCETNWGGQLCDKDLNYCGTHQPCLNGGTCSNTGPDKYQCSCPEGY SGPNCEIAEHAACLSDPCHNRGS CKETSLGFECESPGWTGPTCSTNIDDCSPNNC SHGGTCQDLVNGFKCVCPPQWTGKTCQLDANECEAKP CVNAKSKNLIASYYCDC

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LPGWMGQNC DININDCLGQCQNDASCRDLVNGYRCICPPGYAGDHCERDIDE CAS
 NPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYF
 CKCPEDYEGKNC SHLKDHCRTPCEVIDSCTVAMASNDTPEGVRYISSNVCGPHG
 KCKSQSGGKFTCDCNKGFTGTYPHENI NDCESNPCRNGGT CIDGVNSYKICSDG
 WEGAYCETNINDCSQNPCHNGGT CRDLVNDFYCDCKNGWK GK TCHSRDSQCDE
 ATCNNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGT CVVNGES
 FTCVC KEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRI
 NINECQSSPCAFGATCVDEIN GYRCVCPGPHSGAKCQEVSGRPCITMGSVIRDGAK
 WDDDCNTCQCLNGRIACSKVWCGPRPCLLHKGHSE CPSGQSCIPILDDQCFVHPC
 TGVGECRSSSLQPVKTKCTSDSYQDNCANITFTFNKEMMSPGLTTEHIC SELRNL
 NILKNVSAEYSIYIACEPSPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGNSS
 LIA AVAEVRVQRRPLKNRTDFLVPLLSSVLTVAWICCLVTA FYWCLRKRKPGSHTH
 SASDNTTNNVREQLN QIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDDM
 DKHQKARFAKQPAYTLVDREKPPNGTL
 TKHPNWTNKQDNRDLESAQSLNRMEYIVTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

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Protein Pathways	Notch signaling pathway
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Full Length	Full L.
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GENE INFORMATION

Gene Name	JAG1 jagged canonical Notch ligand 1 [Homo sapiens (human)]
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Official Symbol	JAG1
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Synonyms	AGS; AHD; AWS; HJ1; AGS1; DCHE; CD339; JAGL1; CMT2HH
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Gene ID	182
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mRNA Refseq	NM_000214.3
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Protein Refseq	NP_000205.1
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MIM	601920
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UniProt ID	P78504
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