

Product datasheet for TP310516L

Jagged1 (JAG1) (NM_000214) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human jagged 1 (Alagille syndrome) (JAG1), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC210516 representing NM_000214

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MRSRPRTRGRSGRPLSLLLALLCALRAKVCGASGQFELEILSMQNVNGELQNGNCCGGARNPGDRKCTRDE
CDTYFKVCLKEYQSRVTAGGPCSFSGSTPVIGGNTFNLKASRGNDRNRIVLPFSFAWPRSYPYLLVEAWD
SSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFYQIRVTCDDYYYGFGCNKFCRPRDDFFGHY
ACDQNGNKTCMEGWMGPECNRAICRQGCSPKHGSKLPGDCRCQYGWQGLYCDKICIPHGCVHGICNEPW
QCLCETNWGGQLCDKDLNYCGTHQPCLNGGTCSNTGPDKYQCSCPEGYSGPNCEIAEHAACLSDPCHNRGS
CKETSLGFECECSPGWTGPTCSTNIDDCSPNNCSHGGTCQDLVNGFKVCVPPQWTGKTCQLDANECEAKP
CVNAKSKNLIASYYCDCLPGWMGQNCNININDCLGQCQNDASCRDLVNGYRCCIPPGYAGDHCERDIDE
CASNPCLNGGHCQNEINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYFCKCPEDYEGKNC
SHLKDHCRTTPCEVIDSCTVAMASNDTPEGVRYISSNVCGPHGKCKSQSGGKFTCDCNKGFTGTYCHENI
NDCESNPCRNGGTCIDGVNSYKICSDGWEGAYCETNINDCSQNPCHNGGTCRDLVNDYFCDCCKNGWKGG
TCHSRDSQCDEATCNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNGGTCVWNGESFTCV
KEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCRININECQSSPCAFGATCVDEIN
GYRCVCPGPHSGAKCQEVSGRPCITMGSVIRDGAKWDDDCNTCQCLNGRIACSKVWCGPRPCLLHKGHSE
CPSGQSCIPILDDQCFVHPCTGVGECRSSLQPVKTKCTSDSYQDNCANITFTFNKEMMSPGLTTEHIC
SELRNILNLIKNSVAEYSIYIACEPSANNEIHVAISAEDIRDDGNPIKEITDKIIDLVSKRDGNSSLIA
AVAEVRVQRRPLKNRTDFLVPLLSVLTVAWICCLVTAFYWCLRRKPKGSHTHSASEDNTTNNVREQLN
QIKNPIEKHGANTVPIKDYENKNSKMSKIRTHNSEVEEDMDKHQQKARFAKQPAYTLVDREKPPNGTL
TKHPNWTNKQDNRDLESAQSLNRMEYIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 133.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000205
Locus ID:	182
UniProt ID:	P78504 , Q99740
RefSeq Size:	5896
Cytogenetics:	20p12.2
RefSeq ORF:	3654
Synonyms:	AGS; AGS1; AHD; AWS; CD339; DCHE; HJ1; JAGL1
Summary:	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. [provided by RefSeq, Nov 2019]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Notch signaling pathway

Product images:



Coomassie blue staining of purified JAG1 protein (Cat# [TP310516]). The protein was produced from HEK293T cells transfected with JAG1 cDNA clone (Cat# [RC210516]) using MegaTran 2.0 (Cat# [TT210002]).