

Recombinant Human JAG1 Protein

Catalog #	Source	Reactivity	Applications
CRP1840	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human JAG1 Protein is produced by our mammalian expression system and the target gene encoding Gln34-Ser1046 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.

Gene Symbol JAG1

Alternative Names JAGL1; Protein jagged-1; Jagged1; hJ1; CD339

Entrez Gene 182 (Human)

SwissProt P78504 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure QFELEILSMQ NVNGELQNGN CCGGARNPGD RKCTRDECDT YFKVCLKEYQ SRVTAGGPCS
 FGSGSTPVIG GNTFNLKASR GNDNRNIVLP FSFAWPRSYP LLVEAWDSSN DTVQPDSIIE
 KASHSGMINP SRQWQTLKQN TGVAHFYEQI RVTCCDDYYG FGCNKFCRPR DDFFGHYACD
 QNGNKTCMEG WMGPECNRAI CRQGCSPKHG SCKLPGDCRC QYGWQGLYCD
 KCIPHPGCVH GICNEPWQCL CETNWGGQLC DKDLNYCGTH QPCLNGGTCS
 NTGPDKYQCS CPEGYSGPNC EIAEHAQLSD PCHNRGSCKE TSLGFECECS PGWTGPTCST
 NIDDCSPNNC SHGGTCQDLV NGFKVCPPQ WTGKTCQLDA NECEAKPCVN AKSCKNLIAS
 YYCDCLPGWM GQNCNININD CLGQCQNDAS CRDLVNGYRC ICPPGYAGDH CERDIDECAS
 NPCLNGGHCQ NEINRFQCLC PTGFSGNLCQ LDIDYCEPNP CQNGAQCYNR ASDYFCKCPE
 DYEGKNCSHL KDHCRTTPCE VIDSCTVAMA SNTDPEGVRY ISSNVCGPHG KCKSQSGGKF
 TCDCNKGFTG TYCHENINDC ESNPCRNGGT CIDGVNSYKC ICSDGWEGAY CETNINDCSQ
 NPCHNGGTCT DLVNDFYCDC KNGWKGKTCH SRDSQCDEAT CNNGGTCTYDE

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

GDAFKCMCPG GWEGTTCNIA RNSSCLPNPC HNGGTCVVNG ESFTCVCKEG
WEGPICAQNT NDCSPHPCYN SGTCVDGDW YRCECAPGFA GPDCRININE CQSSPCAFGA
TCVDEINGYR CVCPPGHSGA KCQEVSGRPC ITMGSVIPDG AKWDDDCNTC QCLNGRIACS
KVWCGPRPCL LHKGHSECPG GQSCIPILDD QCFVHPCTGV GECRSSLQPV KTKCTSDSY
YQDNCANITF TFNKEMMSPG LTTEHICSEL RNLNILKNVS AEYSIYIACE PPSANNEIH
VAISAEDIRD DGNPIKEITD KIIDLVSQRD GNSVDDIEGR MDEPKSCDKT HTCPCPAPE
LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE
EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP
SREEMTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSKLTVD
KSRWQQGNVF SCSVMHEALH NHYTQKLSL SPGK

Quality Control

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

Directions for Use

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 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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