

Product datasheet for **RN203938**

Jag1 (NM_019147) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jag1 (NM_019147) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Jag1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203938 representing NM_019147 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGTCCCCACGGACGCGCGGCCGGCCGGGGCGCCCTTGAGCCTTCTGCTCGCCCTGCTCTGTGCC
TGCAGCCAAAGGTGTGCGGGCCCTCGGGTCAATTTGAGCTGGAGATCCTGTCCATGCAGAACGTGAACGG
AGAGTTACAGAAATGGAACTGTTGCGCGGAGCCCGGAACCTGGCGACCGCAAGTGCACCCGCGCAGG
TGTGACACGTAATCAAAGTGTGCCTCAAGGAGTATCAGTCCCGCGTACGCGCCGGGGACCTGCAGCT
TCGGCTCAGGGTCTACGCCTGTCAATCGGGGCAATACCTCAATCTCAAGGCCAGCCGCGCAACGACCG
TAATCGCATCGTACTGCCTTTCAGTTTCGCTGGCCGAGGTCCTACACTTTGCTGGTGGAGGCATGGGAT
TCCAGTAATGACACTATTCAACCTGATAGCATAATTGAAAAGGCTTCTCACTCAGGCATGATAAACCCCA
GCCGCGAGTGGCAGACTGAAACAGAACAGGGATTGCCACTTTGAGTATCAGATCCGAGTGACCTG
TGATGACCACTACTATGGCTTTGGCTGCAACAAGTTCTGTGCGCCAGAGATGACTTCTTTGGACATTAT
GCCTGCGACCAGAATGGCAACAAAACCTGCATGGAAGGCTGGATGGTCTGAGTGAACAAAGCAATAT
GCCGACAGGGCTGCAGTCCCAAGCATGGCTCCTGCAAACCTCCAGGTGACTGCAGGTGCCAGTATGGTTG
GCAGGGCCTGACTGTGATAAGTGCATCCCGCACCCAGGATGTGTCCACGGCACCTGCAATGAACCTGG
CAGTGCCTCTGTGAAACCAACTGGGGTGGACAGCTCTGTGACAAAAGATCTGAATTACTGTGGGACTCATC
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CTACTCAGGACCGAACTGTGAAATTGCTGAGCATGCCTGCCTCTCTGATCCCTGCCACAACAGAGGCAGC
TGCAAGGAGACCTCCTCGGGCTTTGAGTGTGAGTGTCTCCAGGCTGGACTGGACCCACGTGTTCCACAA
ACATCGATGACTGTTCTCAAATAACTGTTCCCATGGAGGCACCTGCCAGGATCTAGTGAATGGATTCAA
GTGCGTGTGCCACCCAGTGGACTGGCAAGACTGTGAGTGTGAGTGAATGCAATGAGTGGAGGCCAAGCCT
TGTGAAAATGCCAGATCCTGTAAGAATCTGATGGCCAGCTACTGTGATTGTCTCTGGCTGGATGG
GTCAGAATTGTGACATAAATATCAATGACTGCCTTGCCAGTGTGCAAGTGAATGATGCCTCCTGTGCGGATTT
GGTTAATGGTTATCGCTGTATCTGTCCACCTGGCTATGCGGGCGATCACTGTGAAAGAGACATCGATGAA
TGTGCTAGCAACCCCTGCTTGAATGGGGTCACTGTGAGAATGAAATTAACAGATTCCAGTGTCTGTGTC
CCACTGGTTTCTGTGAAACCTCTGTGAGTGGACATCGATTACTGCGAGCCCAACCCCTGCCAGAATGG
CGCCCAATGCTACAATCGTCCAGTACTTTTCTGCAAGTGCCTGAGGACTACGAGGGCAAGAAGTGC



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TCACACCTGAAAGACCACTGCCGCACCACTCCCTGTGAAGTGATTGACAGCTGCACCGTGGCCATGGCCT
 CCAACGATACTCCTGAAGGGGTGCGGTATATCTTCCAACGTCTGTGGTCCCCATGGGAAGTGCAAGAG
 CGAGTCAGGAGGCAAATTCACCTGTGACTGTAACAAAGGCTTCACCGGCACCTACTGCCATGAAAAATATC
 AACGACTGTGAGGGCAACCCCTGTACGAACGGTGGCAGCTGCATCGACGGCGTTAACTCCTACAAGTGTA
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 CTATGGGGTACATGTCGAGACCTGGTCAATGACTTTTACTGTGACTGCAAAAAATGGGTGGAAGGGAAA
 ACCTGCCACTCGCGTGACAGCCAGTGTGACGAAGCCAGTGTAAATAACGGTGGTACCTGCTATGATGAAG
 TGGATACGTTTAAAGTGCATGTGTCTGGTGGCTGGGAAGGAACAACCTGTAAATATAGCTAGAAACAGTAG
 CTGCCTGCCGAACCCCTGTCATAATGGAGGCACCTGCGTGGTCAATGGAGACTCCTTCACCTGTGTCTGC
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 GCGGAACCTGTGTGGATGGAGATAACTGGTACCGGTGCGAATGTGCCCTGGTTTTGCTGGGCCAGACTG
 CAGGATAAACATCAATGAGTGTGAGTCTTCCCCTTGTGCCTTTGGGGCCACCTGTGTGGATGAGATCAAT
 GGCTACCAGTGTATCTGCCCTCCAGGACATAGTGGTGCCAAGTGCATGAAGTTTCAGGGAGATCTTGCA
 TCACCATGGGGAGAGTGATACTTGATGGGGCAAGTGGGATGACGACTGTAAACCTGCCAGTGCCTGAA
 TGGACGGTGGCCTGCTCCAAGTCTGGTGTGGCCGAGACCTTGCCGGCTCCACAAAGGGCAGCGCGAG
 TGTCCTCAATGGGAGAGCTGCATCCCAGTCTGGATGACCAGTGTTCGTGCGCCCTGCACTGGTGTCTG
 GCGAGTGTGCGTCTCCAGCCTCCAGCCAGTGAAGACCAAGTGTACATCGGACTCTTATTACCAGGACAA
 TTGTGCGAACATCACTTTACCTTTAACAAGGAGATGATGTCTCCAGGTCTCACCACTGAGCACATTTGC
 AGCGAATTGAGGAATCTGAATATTCTGAAGAATGTTTCTGCTGAGTATCAATCTACATAGCCTGTGAGC
 CTTCTTATCAGCAAACAATGAAATACACGTGGCCATTTCTGCCGAAGACATCCGGGATGATGGAACCC
 TGTCGAAGGAAATTAAGTATAAATAAGATCTCGTTAGTAAACGGGATGGGAACAGTCACTTATCGT
 GCTGTTGAGAGTCAAGTTCAGAGGCGCCCTCTGAAAAACAGAACAGATTTCTGGTTCTCTGCTGA
 GCTCTGTCTTAAACAGTGGCTTGGTCTGTTGCTTGGTACAGCCTTCTACTGGTGTGCGGAAGCGGCG
 GCGGAAGCCAGCAGCCACCCACTCTGCCCTGAGGACAACACCACCAACAATGTGCGGAACAGCTG
 AACCAAATCAAAAACCCATCGAGAAACACGGAGCCAACACAGTCCCATCAAGGATTATGAGAACAAAA
 ACTCCAAAATGTCAAAAATCAGGACACACAACCGGAAGTGAAGAGGATGATATGGATAAGCACCAGCA
 GAAAGTCCGGTTTGCCAAACAGCCCGTGTACACGCTGGTACAGAGAGGAGAAGGTCCCCAGCGCACG
 CCGACAAAACACCCGAACCTGGACAAACAACAGGACAACAGAGACTTGAAAGTGGCCAGAGCTTGAACC
 GGATGGAGTACATCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019147
- Insert Size:** 3660 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_019147.1](#), [NP_062020.1](#)

RefSeq Size: 5575 bp

RefSeq ORF: 3660 bp

Locus ID: 29146

UniProt ID: [Q63722](#)

Cytogenetics: 3q36

Gene Summary: ligand responsible for activating Notch1 [RGD, Feb 2006]