

Product datasheet for **MC223960**

Jag1 (NM_013822) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jag1 (NM_013822) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jag1
Synonyms:	ABE2; Gsfabe2; Htu; Ozz; Ser-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223960 representing NM_013822 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCGGTCCCCACGGACGCGGGCCGGCCGGGCGCCCTGAGTCTTCTGCTCGCCCTGCTCTGTGCC
TGCGAGCCAAGGTGTGCGGGCCCTCGGGTCAGTTTGTGAGCTGGAGATCCTGTCCATGCAGAACGTGAATGG
AGAGCTACAGAAATGGAACTGTTGTGGTGGAGTCCGGAACCTGGCGACCGCAAGTGCACCCGCGACGAG
TGTGATACGTACTCAAAGTGTGCCTCAAGGAGTATCAGTCCCAGTCACTGCCGGGGACCTGCAGCT
TCGGCTCAGGGTCTACGCTGTGCATCGGGGTAACACCTCAATCTCAAGCCAGCCGTGGCAACGACCG
TAATCGCATCGTACTGCCTTTCAGTTTCGCTGGCCGAGTCTACACTTTGCTGGTGGAGCCTGGGAT
TCCAGTAATGACACTATCAACCTGATAGCATAATTGAAAAGGCTTCTCACTCAGGCATGATAAACCCCTA
GCCGGCAATGGCAGACACTGAAACAAAACAGGGATTGCCACTTCGAGTATCAGATCCGAGTGACCTG
TGATGACCACTACTATGGCTTTGGCTGCAATAAGTTCTGTGTCGTCAGAGATGACTTCTTTGGACATTAT
GCCTGTGACCAGAACGGCAACAAAACCTGATGGAAGGCTGGATGGGTCTGATTGCAACAAAGCTATCT
GCCGACAGGGCTGAGTCCCAAGCATGGGTCTTGTAAACTCCAGGTGACTGCAGGTGCCAGTACGGTTG
GCAGGGCTGTACTGCGACAAGTGCATCCCGCACCCAGGATGTGTCCACGGCACCTGCAATGAACCTGG
CAGTGCCTGTGAGACCAACTGGGGTGGACAGCTCTGTGACAAAGATCTGAATTAAGTGGGACTCATC
AGCCCTGTCTCAACCGGGAACATGTAGCAACACTGGCCCTGACAAATACCAAGTGCCTCTGCCAGAGGG
CTACTCGGGCCCAACTGTGAAATTGCTGAGCATGCTTGTCTCTGACCCCTGCCATAACCGAGGCAGC
TGCAAGGAGACCTCCTCAGGCTTTGAGTGTGAGTGTCTCCAGGCTGGACTGGCCCCACGTGTTCCACAA
ACATCGATGACTGTTCTCAAATAACTGTTCCCATGGGGCACCTGCCAGGATCTGGTGAATGGATTCAA
GTGTGTGTGCCCGCCAGTGGACTGGCAAGACTTGTGAGTTAGATGCAAAATGAGTGCAGGCAAACT
TGTGTAATGCCAGATCCTGTAAGAATCTGATTGCCAGCTACTACTGTGATTGCCTTCTGGCTGGATGG
GTCAGAAGTGTGACATAAATATCAATGACTGCCTTGCCAGTGTGAGAATGACGCTCCTGTGGGATTT
GGTAAATGGTTATCGCTGTATCTGTCCACTGGCTATGCAGGCGATCACTGTGAGAGAGACATCGATGAG



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TGTGCTAGCAACCCCTGCTTGAATGGGGTCACTGTCAGAATGAAATCAACAGATTCCAGTGTCTCTGTC
 CCACTGGTTTCTCTGGAAACCTCTGTCAGCTGGACATCGATTACTGCGAGCCCAACCCCTGCCAGAATGG
 CGCCAGTGCTACAATCGTGCCAGTGACTATTTCTGCAAGTGCCCGAGGACTATGAGGGCAAGAACTGC
 TCACACCTGAAAGACCACTGCCGTACCACCACCTGCGAAGTGATTGACAGCTGCACTGTGGCCATGGCCT
 CCAACGACACGCCTGAAGGGTGCCTATATCTTTCTAACGCTGTGGTCCCATGGGAAGTGAAGAG
 CCAGTCGGGAGGCAAATTCACCTGTGACTGTAACAAAGGCTTACCGGCACCTACTGCCATGAAAATATC
 AACGACTGCGAGAGCAACCCCTGTAACAAACGGTGGCACCTGCATCGATGGCGTTAACTCCTACAAGTGTA
 TCTGTAGTGACGGCTGGGAGGGAGCGCACTGTGAGAACAACATAAATGACTGTAGCCAGAACCCTTGTC
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 ACTTGCCATCCCGTGACAGCCAGTGACGAAGCCACGTGTAATAATGGTGGTACCTGCTATGATGAAG
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 CTGCTGCCGAACCCCTGCATAATGGAGTACCTGCGTGGTCAATGGAGACTCCTTACCTGTGTCTGC
 AAAGAAGGCTGGGAGGGGCTATTTGACTCAAATACCAACGACTGCAGTCCCCATCCTGTTACAATA
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 TGGACGGGTGGCCTGCTCCAAGGTCTGGTGTGGCCCGAGACCTTGACGGCTCCACAAAAGCCACAATGAG
 TGCCCCAGTGGGCAGAGCTGCATCCCGGTCTGGATGACCAGTGTTCGTGCGCCCTGCACTGGTGTG
 GCGAGTGTGCGTCTCCAGCCTCCAGCCAGTGAAGACCAAGTGCACATCTGACTCCTATTACCAGGATAA
 CTGTGCAAACATCACTTTACCTTTAACAAAGAGATGATGTCTCCAGGTCTTACCACCGAACACATTTGC
 AGCGAATTGAGGAATTTGAATATCTGAAGAATGTTTCTGCTGAATATTCGATCTACATAGCCTGTGAGC
 CTTCCCTGTGAGCAACAATGAAATACACGTGGCCATCTCTGAGAAGACATCCGGGATGATGGGAACCC
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 GCTCTGTCTTAACAGTGGCTTGGGTCTGTTGCTTGGTGACAGCCTTCTACTGGTGTGAAGGAAGCGGCG
 GAAGCCCAGCAGCCACACTCACTCCGCCCCGAGGACAACACCACCAACAATGTGCGGGAGCAGCTGAAC
 CAAATCAAAAACCCCATCGAAGAACACGGACCAACACGGTCCCCATTAAAGGATTACGAGAACAACAACT
 CGAAAAATGCAAAAATCAGGACACACAACCTCGAAAGTGGAGGAGGATGACATGGATAAACACCAGCAGAA
 AGTCCGCTTTGCCAACAGCCAGTGTATACGCTGGTAGACAGAGAGGAGAAGGCCCCAGCGGCACGCCG
 ACAAACACCCGAACCTGGACAAAATAACAGGACAACAGAGACTTGAAAGTGCCAGAGCTTGAACCGGA
 TGAATACATCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3775_e05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_013822

Insert Size: 3657 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_013822.5](#), [NP_038850.1](#)

RefSeq Size: 5493 bp

RefSeq ORF: 3657 bp

Locus ID: 16449

UniProt ID: [Q9QXX0](#)

Cytogenetics: 2

Gene Summary: Ligand for multiple Notch receptors and involved in the mediation of Notch signaling. May be involved in cell-fate decisions during hematopoiesis. Seems to be involved in early and late stages of mammalian cardiovascular development. Inhibits myoblast differentiation (By similarity). May regulate fibroblast growth factor-induced angiogenesis.[UniProtKB/Swiss-Prot Function]