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Product datasheet for MC224057

Jag2 (NM_010588) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jag2 (NM_010588) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jag2
Synonyms:	D12Ggc2e; mJagged2-1; Serh; sm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224057 representing NM_010588 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCGGGCACGCGGCTGGGGACGCCTGCCTCGGCGGCTGCTGCTGCTACTGGTTCTGTGCGTGCAGGCGA CGCGGCCCATGGGCTATTTCGAGCTGCAGCTGAGCGCGCTGCGGAACGTGAACGGGGAGCTGCTGAGCGG CGCCTGCTGTGACGGCGACGGCCGGACGACGCGCGCGGGGGGCTGCGGCCGCGACGAGTGCGACACGTAC GTGCGCGTGTGCCTTAAGGAGTACCAGGCCAAGGTGACGCCCACGGGGCCCTGCAGCTACGGCTACGGCG CCACGCCCGTGCTGGGTGGCAACTCCTTCTACCTGCCGCCGGCGGGCGCTGCGGGGGACCGAGCGCGCGC GCGGTCTCGGACCGGCGGCCACCAGGACCCGGGCCTCGTCGTCATTCCCTTTCAGTTCGCCTGGCCGCGT TCTTTCACCCTCATCGTGGAGGCCTGGGACTGGGACAATGACACCACTCCAGATGAGGAGCTGCTGATTG AGCGGGTGTCGCACGCTGGCATGATCAACCCCGAGGACCGCTGGAAGAGCCTGCACTTCAGCGGCCACGT GGCACACCTGGAGCTGCAGATCCGAGTACGCTGTGATGAGAACTACTACAGTGCCACCTGCAACAAGTTC TGCCGGCCCCGCAACGACTTCTTTGGCCACTATACCTGCGACCAGTACGGCAACAAGGCCTGCATGGATG GCTGGATGGGCAAAGAATGCAAAGAAGCCGTGTGTAAACAAGGATGTAATTTGCTCCACGGGGGATGCAC TGTGCCTGGGGAGTGCAGGTGCAGCTACGGCTGGCAGGGCAAGTTCTGTGACGAGTGTGTCCCCTACCCT GGCTGCGTGCATGGCAGCTGTGTGGAGCCCTGGCACTGTGACTGTGAGACCAACTGGGGTGGCCTGCTCT GTGACAAAGACCTGAACTACTGTGGCAGCCACCACCCCTGTGTCAACGGGGGTACCTGCATCAATGCTGA GCCTGACCAATACCTCTGCGCCTGCCCAGATGGCTACTTGGGCAAGAACTGCGAGCGGGCTGAGCACGCC TGTGCCTCCAACCCGTGTGCCAATGGGGGCTCTTGCCACGAAGTGCCATCTGGCTTTGAATGCCACTGTC CGTCAGGATGGAACGGACCCACCTGTGCGCTCGACATTGATGAGTGTGCCTCTAACCCATGTGCAGCGGG TGGTACCTGCGTGGATCAGGTGGACGGCTTCGAGTGCATCTGCCCGGAGCAGTGGGTGGGGGCTACTTGC CAGCTGGACGCCAATGAGTGTGAAGGGAAGCCGTGCCTTAATGCTTTTTCTTGCAAAAACCTGATTGGCG GCTATTACTGTGATTGCCTCCCGGGCTGGAAGGGCATCAACTGCCAAATCAACATCAACGATTGCCATGG GCAGTGTCAGCATGGGGGCACCTGCAAGGACCTGGTCAATGGGTACCAGTGTGTGTGCCCGCGGGGCTTT GGAGGTCGCCATTGCGAACTAGAGTACGACAAGTGTGCCAGCAGCCCCTGCCGCCGGGGTGGCATCTGTG

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AGGACCTGGTGGATGGCTTCCGCTGCCACTGCCCACGGGGCCTCTCTGGGCTGCACTGTGAGGTGGACAT
GGATCTCTGTGAACCAAGCCCCTGCCTCAACGGTGCTCGCTGCTACAACCTTGAGGGTGACTACTACTGC
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GCGGCAGCGGTCTGGGAACTGGGGGCCACAAGGACATACTCTACCAGTGCAAAAACTTCACACCGCCGCC
CCGCAGGGCAGGCGAGGCACTGCCCGGGCCAGCTGGCCATGGGGCTGGTGGGGAGGACGAGGAGGATGAA
GAGCTGAGCCGTGGAGATGGGGACTCCCCAGAGGCAGAGAAGTTCATCTCACACAAGTTCACCAAAGACC
CCAGCTGCTCCCTCGGAAGGCCAGCCCGCTGGGCTCCAGGGCCCAAAGTGGACAACCGCGCCGTCAGAAG
TACCAAGGACGTGCGCCGTGCTGGCAGGGAA<u>TAG</u>

<u>ACGCGT</u>ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010588

Insert Size: 3744 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_010588.2, NP_034718.2
RefSeq Size:	4054 bp
RefSeq ORF:	3744 bp
Locus ID:	16450
UniProt ID:	Q9QYE5
Cytogenetics:	12 61.37 cM
Gene Summary:	Putative Notch ligand involved in the mediation of Notch signaling. Plays an essential role during limb, craniofacial and thymic development. May be involved in myogenesis and in the development of peripheral and central nervous systems.[UniProtKB/Swiss-Prot Function]