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Product datasheet for RN207443

Notch2 (NM_024358) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Notch2 (NM_024358) Rat Untagged Clone

Tag: Tag Free

Symbol: Notch2

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>RN207443 representing NM_024358
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCGCTCTGCGTCCCGCCGCGCTGCGGGCGCTGCTGTGGCTCTGGCTGTGCGGCGCGGGCCCCGCGC
ACGCTTTGCAGTGTCGAGGTGGTCAAGAGCCCTGTGTAAATGAGGGGACCTGTGTTACCTACCACAACGG
CACAGGCTACTGCCGATGTCCAGAGGGCTTCTTGGGAGAATATTGTCAACATCGAGACCCTTGTGAGAAG
AACCGCTGTCAGAATGGTGGTACTTGTGTGACGCAGGCCATGTTGGGAAAAGCCACCTGTCGATGTGCTC
CAGGGTTCACAGGGGAGGACTGCCAATACTCGACCTCTCACCCCTGTTTTGTTTCCCGCCCCTGTCAGAA
TGGAGGTACCTGCCACATGCTCAGCTGGGACACCTATGAGTGCACCTGTCAAGTTGGCTTCACAGGAAAG
CAGTGTCAGTGGACAGATGTCTGTCTGTCTCATCCCTGTGAAAATGGAAGCACCTGTAGCTCTGTGGCCA
ACCAGTTCTCCTGCAGATGTCCTGCAGGCATCACAGGCCAGAAGTGTGACGCCGACATCAATGAATGTGA
CATTCCAGGACGCTGCCAACATGGAGGCACCTGCCTCAACCTTCCTGGGTCCTACCGATGCCAATGCCCT
CAGGGCTTCACAGGCCAGCACTGTGACAGCCCGTACGTGCCCTGTGCACCCTCACCCTGCGTCAATGGAG
GCACCTGCCGTCAGACTGGAGACTTCACTTCTGAATGCCATTGCCTGCCAGGCTTTGAAGGGAGCAACTG
CGAGCGGAATATCGACGACTGCCCTAACCACAAGTGTCAGAATGGAGGGGTGTGTGTGGATGGCGTCAAT
ACTTACAACTGCCGCTGCCCCCCTCAGTGGACTGGGCAGTTCTGCACAGAAGACGTGGATGAGTGTCTGC
TGCAGCCCAATGCTTGTCAGAATGGAGGCACTTGCACCAACCGCAACGGAGGCTACGGCTGCGTGTGCGT
GAACGGCTGGAGTGGGGATGACTGCAGCGAGAACATCGATGACTGTGCCTTCGCTTCCTGCACGCCAGGC
TCCACCTGTATTGACCGTGTGGCCTCCTTCTCCTGCCTTTGTCCAGAGGGAAAGGCAGGGCTCCTGTGTC
ATCTGGATGATGCCTGTATCAGCAACCCTTGTCACAAGGGGGCGCTGTGTGATACCAACCCCCTGAATGG
GCAGTACATTTGCACCTGCCCACAGGGCTACAAGGGCGCTGACTGCACAGAAGACGTGGATGAGTGTGCT
ATGGCCAACAGTAACCCTTGTGAGCATGCAGGAAAGTGTGTGAATACAGATGGCGCCTTCCACTGCGAGT
GTCTGAAGGGCTACGCAGGGCCTCGCTGTGAGATGGACATCAACGAGTGTCACTCAGACCCCTGTCAGAA
CGACGCCACCTGCCTGGATAAGATTGGAGGCTTCACCTGTCTCTGCATGCCGGGTTTCAAAGGTGTGCAT
TGTGAACTGGAGGTGAATGAATGCCAGAGCAACCCGTGTGTAAACAATGGGCAGTGTGTGGACAAAGTCA
ATCGCTTCCAGTGTCTGTGTCCCCCTGGTTTCACAGGACCAGTGTGCCAGATCGACATTGACGACTGCTC
CAGTACTCCCTGCCTGAATGGGGCCAAGTGCATCGATCACCCGAATGGCTATGAATGCCAGTGTGCCACA

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GGATTCACTGGCACACTGTGTGATGAGAACATCGACAACTGTGACCCGGATCCTTGCCACCATGGCCAGT
GCCAGGATGGGATTGACTCCTACACCTGCATCTGCAACCCCGGGTACATGGGAGCCATCTGTAGTGACCA
GATTGATGAATGCTACAGCAGCCCCTGCCTGAATGATGGACGCTGCATCGACCTGGTGAACGGCTACCAG
TGCAACTGCCAACCGGGTACCTCAGGCCTTAATTGTGAAATTAATTTTGATGACTGTGCCAGCAACCCTT
GTCTGCACGGAGCCTGTGTGGACGGCATCAACCGTTACAGTTGTGTGTGCTCTCCGGGATTCACAGGGCA
GAGGTGCAACATAGACATTGATGAGTGTGCCTCCAACCCCTGTCGCAAGGGTGCGACGTGCATCAATGAC
GTGAATGGTTTCCGGTGTATGTGCCCTGAGGGACCACACCATCCCAGCTGCTACTCACAGGTGAACGAGT
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CACCTGCCACTGCATGCTGCCTTACACAGGCAAGAATTGTCAAACGGTGTTGGCGCCCTGCTCCCCTAAC
CCGTGTGAGAACGCTGCAGTTTGTAAAGAGGCACCCAACTTTGAGAGCTTCACCTGCCTGTGTGCCCCTG
GCTGGCAAGGTCAGCGCTGTACAGTTGACGTTGATGAGTGTGTCTCCAAGCCGTGTATGAACAATGGCAT
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GACATCAATGACTGCCTTGCCAACCCCTGCCAGAACGGAGGCTCCTGTGTGGACAAAGTGAACACCTTCT
CCTGCCTGTGCCTTCCTGGCTTCGTAGGGGACAAGTGCCAAACAGACATGAATGAATGTCTGAGCGAGCC
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GGAGTCCACTGTGAAAACAACATCGATGAGTGCACTGAGAGCTCCTGTTTCAATGGCGGCACGTGTGTTG
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TGAGTGCAGCTCTAACCCGTGCCTGAATTCGGGAACGTGTGTTGATGGCCTGGGTACCTACCGATGCACC
TGTCCCTTGGGCTACACTGGGAAAAACTGTCAGACCCTGGTGAACCTCTGCAGCCCCTCTCCATGTAAAA
ACAAAGGAACTTGTGCTCAGGAAAAGGCAAGGCCACGCTGCCTGTGTCCGCCTGGATGGGATGGCGCATA
CTGTGATGTGCTCAATGTGTCCTGTAAGGCGGCAGCCTTGCAGAAAGGAGTACCTGTTGAACACTTGTGC
CAGCACTCGGGTATCTGTATCAATGCTGGCAACACGCATCACTGCCAGTGCCCCCTGGGCTACACGGGGA
GCTACTGCGAGGAACAGCTTGACGAGTGTGCGTCCAATCCATGCCAGCATGGTGCCACCTGCAGTGACTT
CATCGGAGGATACAGATGTGAGTGTGTTCCAGGGTATCAGGGTGTCAACTGTGAGTATGAAGTGGACGAG
TGCCAGAACCAGCCCTGTCAGAACGGAGGCACCTGCATCGACCTCGTGAACCATTTCAAGTGCTCGTGCC
CACCAGGCACCCGGGGCCTGCTTTGTGAAGAGAACATTGATGACTGTGCTGGGGGCCCCCACTGCCTTAA
TGGTGGCCAGTGTGTGGACCGGATTGGAGGCTACAGTTGTCGCTGTTTGCCTGGCTTTGCTGGGGAGCGG
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TGTCGTTGTCCCCCAGGGTTCTCCGGGGCAAGATGCCAGAGCAGCTGTGGACAAGTGAAGTGCAGAAGAG
GGGAGCAGTGTGTGCACACCGCCTCGGGACCCCACTGCTTCTGCCTGAACCGCAAGGACTGCGAGTCAGG
TTGCGCTAGTAACCCCTGCCAGCACGGAGGCACCTGCTACCCTCAGCGCCAGCCTCCTTACTACTCTTGC
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CTGCGATAAGGGATGCAACAACGAGGAGTGTGGCTGGGACGGGCTGGACTGCGCTGCGGACCAGCCTGAG
AACCTGGCGGAGGGCATCCTGGTCATCGTGGTGCTCCTACCCCCTGAGCAGCTGCTTCAGGATTCTCGAA
GCTTCTTGAGGGCCCTGGGCACCCTGCTCCACACCAACTTACGCATTAAACAAGACTCTCAGGGCGCCCT
CATGGTGTACCCCTACTATGGGGAGAAGTCAGCTGCCATGAAGAAGCAGAAGGTGGCACGCAGGTCTCTT
CCTGATGAGCAGGAACAGGAGATAATAGGCTCTAAGGTATTTCTGGAAATCGACAACCGACAGTGTGTTC
AAGACTCAGACCAGTGCTTCAAGAACACAGATGCTGCAGCTGCTCTCCTGGCTTCTCATGCCATCCAAGG
GACCTTGTCCTACCCTCTGGTGTCTGTTGTCAGTGAATCGGAGGATCCAAGGAACACTCCGCTCCTCTAT
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GCAAGCACGGCTTCCTCTGGCTGCCTGAAGGCTTCACGCTTCGCCGAGACTCCAGCAATCACAAGCGCCG
TGAACCTGTGGGGCAGGATGCCGTGGGGCTGAAGAATCTCTCAGTGCAAGTGTCAGAGGCAAACCTGATC
GGCTCCACGACAAGCGAGCATTGGGGTGATGATGAAGGACCCCAGCCAAAGAAAGCCAAGGCTGAGGACG

ACGAGGCTTTGCTGTCGGAAGACGACCCTGTCGACCGGCGCCCCTGGACACAGCAGCACCTTGAAGCTGC
AGACATCCGCCGGACTCCATCCCTGGCGCTCACCCCTCCTCAGGCAGAGCAGGAGGTGGACGTGCTGGAC
GTGAATGTCCGAGGCCCAGATGGGTGCACCCCACTGATGCTGGCTTCTCTCCGAGGAGGCAGCTCAGACC
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CAGCCTCCAGGCACAGACGGACCGCACTGGTGAGATGGCCCTGCACCTTGCAGCCCGCTATTCGAGAGCT
GATGCTGCCAAACGCCTCCTGGATGCTGGTGCAGATGCCAACGCCCAGGACAACATGGGCCGCTGTCCTC
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GCAGAGCTGATCAACTGCCAAGCAGATGTGAACGCAGTGGATGACCATGGAAAATCTGCCCTCCACTGGG
CAGCCGCCGTCAATAATGTGGAGGCAACTCTTTTGCTGTTGAAGAATGGGGCCAACCGGGATATGCAGGA
CAACAAGGAAGAGACACCTTTGTTTCTTGCTGCCCGAGAGGGAAGTTATGAAGCAGCCAAAATCCTGTTA
GACCACTTTGCCAACCGGGACATCACGGACCACATGGACCGCCTTCCCCGGGATGTGGCTCGGGACCGCA
TGCACCATGACATAGTTCGCCTCCTGGACGAGTACAACGTGACTCCCAGCCCTCCGGGGACTGTCTTGAC
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CTCAGCATGCACTGTCTTTCTCTAACCTTCACGAAATGCAGCCTTTGGCTCCTGGAGCCAGCACCGTGCT
CCCCTCAGTTAGCCAGTTGTTGTCCCACCACCACATCGTCCCCCCAGGGAGTGGCAGTGCAGGAAGCTTG
GGCAGGTTACATTCAGTCCCTGTCCCCTCAGACTGGATGAACCGCGTGGAGATGAGTGAGACCCAGTACA
GTGAAATGTTTGGCATGGTCCTGGCTCCTGCAGAGGGAACCCACCCTGGCATGGCAGCTCCTCAGAGCAG
AGCTCCGGAAGGGAAGCCCATCCCCACACAGCGTGAGCCCTTGCCTCCCATTGTAACTTTCCAGCTCATC
CCGAAAGGCAGCCTTGCTCAAGCAGCTGGGGCTCCCCAGACACAGTCCGGCTGCCCCCCAGCTGTGGCAG
GCCCCTTGCCCTCTATGTACCAGATCCCAGAGATGGCCCGTTTGCCCAGTGTGGCTTTCCCACCTACCAT
GATGCCCCAGCAGGAGGGGCAGGTAGCTCAGACCATTGTCCCAACCTATCACCCTTTCCCAGCCTCTGTG
GGCAAGTACCCCACACCCCCTTCCCAACACAGTTATGCCTCCTCAAATGCTGCCGAGCGCACCCCCAATC
ATGGTGGTCACCTCCAGGGCGAGCACCCGTACCTGACACCATCCCCAGAGTCTCCTGACCAATGGTCGAG
CTCTTCACCGCACTCTGCGTCTGACTGGTCAGATGTGACCACCAGCCCAACTCCTGGAGGGGGTGGAGGC
GGTCAGCGGGGACCTGGAACACACATGTCCGAGCCACCACACAGCAACATGCAGGTTTATGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_024358

Insert Size: 7416 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_024358.2, NP_077334.2
RefSeq Size:	10723 bp
RefSeq ORF:	7416 bp
Locus ID:	29492
Cytogenetics:	2q34
Gene Summary:	transmembrane protein that may be involved in cellular interactions that specify cell fate [RGD, Feb 2006]