

Product datasheet for **RN209633**

DII1 (NM_032063) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | DII1 (NM_032063) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DII1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN209633 representing NM_032063
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGTCGGAGCGCGCTAGCCCTTGCCGTGGTCTCAGCCCTGCTGTGCCAGGTCTGGAGCTCTGGCG
 TATTTGAGCTGAAGCTGCAGGAGTTCGTCAACAAGAAGGGGCTGCTGGGAACCGCAACTGCTGCCGCGG
 GGGCTCTGGCCCGCGTGCACCTGCAGGACCTTTTCGCGTATGCCTCAAGCATTACCAGGCCAGCGTG
 TCCCCGGAGCCACCTGCACCTACGGCAGTGGGTACCGCAGTGTGGGTGTCGACTCCTTCAGCCTGC
 CTGATGGCGCAGGCATCGACCCCGCCTTCAGCAACCCCATCCGATTCCCCTTCGGATTACCTGGCCAGG
 TACCTTCTCTGATCATTGAAGCCCTCCACACAGATTCTCTGACGACCTCGCAACAGAAAACCCAGAA
 AGACTCATCAGCCGCTGACCACACAGAGGCACCTCACTGTGGGAGAAGAGTGGTCTCAGGACCTTCACA
 GTAGCGGCCGCACAGACCTCCGCTACTCTTACCGGTTTGTGTGATGAACACTACTATGGAGAAGGCTG
 CTCGCTGTCTGCCGACCGGGATGATGCCTTTGGCCACTTCACCTGCGGGGAGAGAGGGGAGAAGATG
 TGGACCTGGCTGAAAAGGCCAGTACTGCACTGACCCCAATTTGTCTGCCAGGCTGTGATGACCAACATG
 GATATTGTGACAAACCGGGGAATGCAAGTGCAGAGTTGGCTGGCAGGGCCGCTACTGCGATGAATGCAT
 CCGATACCCAGGCTGTCTCCATGGTACCTGCCAGCAGCCCTGGCAGTGTAACTGCCAGGAAGGCTGGGGG
 GGCTCTTCTGCAACCAGGATCTGAACTACTGCACTCACCATAAGCCATGCAGGAACGGAGCCACCTGCA
 CCAACACGGGCCAGGGGAGCTACACATGCTTTGCCGACCCGGGTATACAGGGGCCAACTGTGAGCTGGA
 GGTAGATGAGTGTCTCCAGCCCTGCAGGAATGGAGGGAGCTGCACGGATCTTGAGGACAGCTACTCT
 TGCACCTGCCCTCCTGGCTTCTATGGCAAGTCTGTGAGCTGAGCGCCATGACGTGTGCAGATGGTCCT
 GCTTCAATGGGGACGATGTTTCGATAACCCCGATGGAGGCTACACCTGCCATTGCCCTCGGGCTTCTC
 TGGCTTCAACTGTGAGAAGAAGATTGATCTCTGTAGCTCTTCCCCTTGTCTAACGGTGCCAAGTGTGTG
 GACCTCGCAACTCCTACCTGTGCCGATGTGAGCTGGCTTCTCCGGGAGGTAAGTGCAGGACAATGTGG
 ATGACTGTGCCTTCTCCCTGTGCAAACGGGGCACCTGCCGGGACAGTGTGAACGATTTCTCCTGTAC
 CTGCCACCTGGCTACACAGGCAGGAATGCAGCGCCCTGTGAGCAGGTGTGAGCATGCACCCTGTCAT
 AACGGGGCACCTGCCACCAGAGGGGCCAACGCTACATGTGTGAGTGCGCCAGGGCTATGGCGGCCCA
 ACTGCCAGTTCCTGCTCCCTGAGCCACCACCAGACCTCATAGTGGCGGCCAGGGCGGGTCTTCCCCTG
 GGTGGCTGTGTGCGGGGTGGTCTTGTCTCTGCTGCTGCTGGGCTGTGCTGTGTTGGTGTCTGC
 GTCCGGCTGAAGCTACAGAAACACCAGCCTCCGCTGATCCTTGGGGGAGAGACAGAGACCATGAACA
 ACCTAGCCAATTGCCAGGCTGAGAAGGATGTTTCTGTTAGCATCATTGGGGCTACACAGATCAAGAACAC
 CAACAAGAAGGGGACTTTCATGGGGACCATGGTGTGACAAGAGCAGCTTAAAGCCCGATACCCCACT
 GTGGACTATAACCTCATTGAGACCTCAAGGGAGATGAAGCCACGGTCAGGGATGCACACAGCAAACGTG
 ACACCAAGTGCCAGTACAGGGCTCTGTAGGAGAAGAGAAGAGCACCTCAACGCTCAGGGGTGGGGAGGT
 TCCCGACAGAAAAGGCCGAGTCTGTCTACTCTACTTCAAAGGACACCAAGTACCAGTCGGTGTATGTT
 CTATCTGCAGAAAAGGATGAGTGTATTAGCGACTGAGGTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_032063

Insert Size: 2145 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).

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| 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: | <ol style="list-style-type: none">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: | <u>NM_032063.2</u> , <u>NP_114452.1</u> |
| RefSeq Size: | 3171 bp |
| RefSeq ORF: | 2145 bp |
| Locus ID: | 84010 |
| UniProt ID: | <u>P97677</u> |
| Cytogenetics: | 1q12 |
| Gene Summary: | homolog of the Notch Delta ligand; member of the delta/serrate/jagged family; may play a role in cell fate decisions during hematopoiesis [RGD, Feb 2006] |