

## Product datasheet for **MC202004**

### **DII3 (NM\_007866) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DII3 (NM_007866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	DII3
Synonyms:	pu; pudgy
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052002 sequence for NM\_007866  
 CCTGTCCCCAAAGCAATGGTCTCTCTGCAGGTGTCTCCGCTTTCCAGACGCTGATCCTGGCTTTTCTT  
 CTTCTCAGGCACTGCCAGCTGGTGTCTTCGAGCTACAAATTCATTCTTTTCGGGCCAGGCCAGGCCTCG  
 GGACCCACAGCTCCCCGTGCAACGCCCGAGGCCCTTGCCGCTCTTCTTCAGGGTCTGCCTGAAGCCCGG  
 AGTCTCCAGGAGGCCACCGAGTCCCTGTGCGCCTGGGCGCAGCACTGAGCACGAGCGTCCCGTCTAT  
 ACGGAGCACCCCGAGAGTCAAGCGGTGCCCTGCCGCTGCCTGATGGCCTCGTACGTGTCCCTTCCGCG  
 ATGCTTGGCCGGGCACCTTCTCCCTCGTATTGAAACCTGGAGAGAGCAGCTGGGAGAGCATGCTGGAGG  
 GCCCGCTGGAACCTGCTAGCACGTGTGGTCGGCCGTAGACGCCCTGGCGGCTGGGGGCCCGTGGGCCCGC  
 GATGTGCAGCGCACAGGCACATGGGAGTTGCACTTCTCCTACCGCGCGGGTGCAGAGCCGCCCGCTCG  
 GGGCCGCTGCGCGCCTGTGCCGCTCACGCAGTGCCCCCTCGCGGTGTGGCCGGGACTGCGACCCTG  
 CACGCCATTCCAGACGAGTGCGAAGCCCGTCTGTGTGTCGACCAGGCTGCAGCCCCGAGCACGGCTAC  
 TGTGAAGAGCCTGATGAATGCCGTTGCCTGGAGGGCTGGACTGGACCCCTCTGCACGGTCCCTGTCTCCA  
 CCAGTAGCTGCCTGAACCCAGGGTTCCTGGTCTGCCAGCACTGGATGCCTTTTACCTGGGCTGGACC  
 TTGTGATGGGAACCCATGTGCAATGGGGGAGCTGTAGTAAACCTCTGGCTCCTTTGAATGTGCCTGT  
 CCCCAGGGATTCTACGGCTTCGATGTGAGGTGAGCGGGTACAGTGCAGATGGACCCCTGCTTCAATG  
 GCGGCTTGTGTGTGGCGGTGAAGATCCTGACTCTGCCTATGTCTGTATTGCCACCTGGTTTCCAAGG  
 CTCTAACTGTGAGAAGAGGGTGGACCGCTGTAGCTGCAGCCATGTCAGAATGGCGGCTCTGCCTGGAC  
 CTGGGCCACGCGTTGCGCTGCCGCTGTGCGCGGGATTGCGCGGGCCGCGCTGCGAGCACGACCTGGACG  
 ACTGCGCCGGCCGCGCCTGTGCCAACGGCGGCACGTGCGTGGAGGGCGGGGCTCGCGCCGCTGCTCCTG  
 TGCGCTGGGCTTCGGCGGGCGGACTGCCGAGAACGCGCCGACCCTGCGCCTCCCGCCCTGCGCGCAT  
 GGAGGCCGTTGCTACGCCACTTCTCTGGCCTGGTCTGCGCCTGCGCGCCCGGCTACATGGGCGTGAGAT  
 GCGAGTTCGCTGTGCGCCCGACGGCGCGGACGCGGTGCCCGCCGCCCGCGGGGCTGAGGCAGGCGGA  
 TCCACAGCGCTTTCTTCTGCCTCCGCTTGGGGCTGCTGGTGGCCCGCGGTTTGGTGGCCGCGCACT  
 TTGGTCATCCACGTTTCGCGCCGAGGTCTGCGCAGGATACCGGGACTCGCTGCTTTCTGGGACCCGGG  
 AGCCTTCGGTCCACAGCTCCCGGATGCACTCAACAACCTGAGGTTACAAGACGGTGTGGGGATGGCCC  
 CAGTTCGTCGGCTGACTGGAATCATCCTGAAGATGGAGACTCTAGATCCATTTATGTCATACCAGCCCT  
 TCCATTTATGCACGAGAGGCTGATCCTGCCCTTCTCTATCTTGTCCCTTCTCTATCATCGCCTGGAGA  
 TGGAGCCTGAATGATTTTATTTACTTTGTGGTGTCCAATCTACCTCCCTACCGACTGGAGACTCTT  
 TGAAAGGGCTTTATTGTACATATTGCTTATTTATAACCTAGTTTTTCTCATCTCCCAGAGACATCTATA  
 AAGGTTCTTATTTGCTCAACCACATCAGGCTGAGAACTTTTTATTTCCAGGATAGAGTTTCTCTCT  
 GTAAAAGCCCTGGCCAGCCTAGAACTCTGTAGACCAGGCTGGCCTCGAACTCACAGAGATCCACCTGCTT  
 CTGCCCCCTAAGTCTGGCATTAAAGGCGTGACCACTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA A

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_007866
- Insert Size:** 1758 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:** [BC052002](#), [AAH52002](#)

**RefSeq Size:** 2171 bp

**RefSeq ORF:** 1758 bp

**Locus ID:** 13389

**UniProt ID:** [O88516](#)

**Cytogenetics:** 7 16.67 cM

**Gene Summary:** Inhibits primary neurogenesis. May be required to divert neurons along a specific differentiation pathway. Plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm.[UniProtKB/Swiss-Prot Function]