

Product datasheet for **RN212099**

DII3 (NM_053666) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DII3 (NM_053666) Rat Untagged Clone
Tag:	Tag Free
Symbol:	DII3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212099 representing NM_053666
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCTCCCTGCAGGTGTCTTCACTTCCCAGACGCTGATCCTGGCTTTTCTCCTTCCCCAGGCACTGC
 CAGCTGGTGTCTTCGAGCTACAAATTCATTCTTTTCGGGCCAGGACCAGGCCCGGGACCCACGCTCCCC
 CTGCAACGCCCGAGGCCCTTGGCGCCTCTTCTTCAGGGTCTGCCTGAAACCGGGAGTCTCCAGGAGGCC
 GCCGAGTCCCTGTGCGCCTGGGCGCAGCACTGAGCACGAGCGGCCCGGTCTACACGAGCAGCCTGGAG
 TGCCAGCGGTGCCTTGTGTTGCCTGATGGCCTCGTGCCTGTCCTTTCTCGATGCCTGGCCGGGCAC
 CTTTTCCCTCATTATTGAAACCTGGAGAGAGCAGCTGGGAGAGCGTGTGCAGGGCCCGCTGGAACCTA
 TTAGCGGTGTGGCCGGTGCAGACGCCTGGCTGCTGGAGCCCCGTGGGCCCGCATGTGCAGCGCACAG
 GCGCATGGGAGTTGCACTTCTCATACCGCGCGCTGTGAGCCCCCTGCGGTTGGGGCCGCTGCGCGCG
 CCTGTGCCGCTCGCGCAGCGCCCTCGCGGTGTGGCCAGGACTGCGCCCTGCAGCCATTCCCAGAC
 GAGTGTGAAGCCCGCTGAGTCCCTAACCGTATGTGAGCGGGTGCAGCCCTGAGCACGGCTACTGTG
 AAGAACCTGACGAATGCCATTGCCTGGAGGGCTGGACTGGACCCCTCTGCACGGTCCCTGTCTCCACCAG
 CAGCTGCCTGAACTCCCGGTCTCTGGTCTGCCGCACTGGATGCCTTTTACCTGGGCCTGGACCTGT
 GATGGGAACCATGTGCCAATGGGGCAGCTGTAGTGAACCCCGGGCTCCTTTGAATGTGCTGTCCCC
 GGGGATTCTATGGGCCTCGATGTGAGGTGAGCGGGGTGACATGCGCAGATGGACCCTGCTCAATGGCGG
 CTTGTGTGTTGGCGGTGAAGATCCTGACTCTGCCTATGTCTGTCACTGCCACCTGCTTTCAAGGCTCT
 AACTGTGAGAGGAGGGTGGACCCTGTAGCCTGCAGCCTTGTGAGAATGGCGGCCTGCTTGCCTGACCTGG
 GACATGCGCTGCGCTGCCGCTGTGCGCGGGATTGCGCGGGCCAGCTGCGAGCAGCAGCTGGAGCAGCTG
 CGCCGGCCGCGCCTGTGCCAACGGCGGCACGTGCGTGGAGGGCGGCGCGCGCCGCTGCTCGTGTGCG
 CTGGGTTTCGGCGGGCGGACTGTGCGGAACGCGCGGACCCTGCGCCTCTCGCCCTGCGCCCATGGAG
 GCCGTTGTACGCCCACTTCTCCGGCCTTGTCTGCGCCTGCGCGCCCGGCTACATGGGTGTGAGATGCGA
 GTTCGCTGTGCGCCCCGACGGGGCGGACGCCGTGCCCGCGGCTCCGCGGGCCTGAGGCAGGCTGACTCA
 CAGCGCTTCTTCTGCCTCCCGCCTTGGGGTGTGCGCGCCGAGCTTTGGCCGGGGCCGCTCTTTGC
 TCATCCACGTTCCCGCCGAGGTCTGGCCGGATACTGGGACTCGCTGCTTTCCGGGACCCGGGAGCC
 TTCGGTCCACACGCTCCCGGATGACTCAACAACCTGAGGTTACAAGACGGTGTGGGGATGGCCCCAGC
 TCGTGGCTGACTGGAATCATCCGAAGATGGGGACTCTCGATCTATTTATGTCATACCAGCCCTCCA
 TTTACGCACGAGAGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3458_e06.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_053666

Insert Size: 1770 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_053666.1](#), [NP_446118.1](#)

RefSeq Size: 1998 bp

RefSeq ORF: 1770 bp

Locus ID: 114125

UniProt ID: [O88671](#)

Cytogenetics: 1q21

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]