

Product datasheet for **MC204452**

DII4 (NM_019454) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DII4 (NM_019454) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	DII4
Synonyms:	Delta4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC042497
CTCGCAGGCTAGGAACCCGAGGCCAAGAGCTGCAGCCAAAGTCACTTGGGTGCAGTGTACTCCCTCACTA
GCCCGCTCGAGACCCTAGGATTTGCTCCAGGACACGTACTTAGAGCAGCCACCGCCAGTCGCCCTCACC
TGGATTACCTACCAGGCATCGAGCAGCGGAGTTTTTGAAGGGGACAAGGGAGCAGCGTCCCGAGGGG
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GGAGTCCCGGAGTGGAGAGGACACCCCAAGGGATGACGCCTGCGTCCCGGAGCGCCTGTCGCTGGGCGCT
ACTGCTGCTGGCGTACTGTGGCCGACGACGCGCTGCGGGCTCCGGCATCTTCCAGCTGCGGCTGCAG
GAGTTTCGTCAACCAGCGGGTATGCTGGCAATGGGCAGTCTGCGAACCAGGGCTGCCGGACTTTCTTCC
GCATCTGCCTTAAGCACTTCCAGGCAACCTTCTCCGAGGGACCCTGCACCTTTGGCAATGTCTCCACGCC
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TAAGATTTGGCGAACAGACGAGCAAAATGACACCCTACCAGACTGAGTACTCTTACCGGTTCATCTGC
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AGTGCCAGCCAGATGGCAGCCTGCTGCTGCCGGGCTGGACTGGGAAGTACTGTGACCAGCCTATATG
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AGACTTCCAGAAGGACAACCTAATCCCTGCCGCCAGCTCAAAAACACAAACCAGAAGAAGGAGCTGGAA
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GCCTACTCAGACACCCAGCTCCGGCCAGCAGCTGGGCTTCTTCTGCATTGTTTACATTGCATCCTGT
ATGGGACATCTTAGTATGCACAGTGTGCTCTGCGGAGGAGGAGGAAATGGCATGAACTGAACAGACTG
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TCACAGCTGGGCCAAATGAGAAAGCAGAGAGGAGGCTTGCAAAGGATAGGCCTCCCGCAGGCAGAACAG
CCTTGGAGTTTGGCATTAAAGCAGGAGCTACTCTGCAGGTGAGGAAAGCCCGAGGAGGGGACAGTGTGAC
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CCTGGTGCCTCTGGGCTCATGTGAACAGATGGGCTTAGGGCACGCCCTTTTGGCAGCCAGGGGTACAGG
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ATAATGTGATTTTATAATATGAAACAGATGTGTACAGGAATTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA A
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Restriction Sites:

RsrII-NotI

ACCN:	NM_019454
Insert Size:	2061 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:	<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:	BC042497 , AAH42497
RefSeq Size:	3431 bp
RefSeq ORF:	2061 bp
Locus ID:	54485
UniProt ID:	Q9JI71
Cytogenetics:	2 E5
Gene Summary:	Involved in the Notch signaling pathway as Notch ligand (PubMed:11134954). Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting (By similarity). Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (PubMed:22323600). During spinal cord neurogenesis, inhibits V2a interneuron fate (By similarity).[UniProtKB/Swiss-Prot Function]