

Product datasheet for **MR209139**

DII3 (NM_007866) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DII3 (NM_007866) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DII3
Synonyms:	pu; pudgy
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR209139 representing NM_007866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCTCTCGAGGTGTCTCCGCTTCCAGACGCTGATCCTGGCTTTTCTTCTCTCAGGCACTGC
 CAGCTGGTGTCTTCGAGCTACAAATTCATTCTTTTCGGGCCAGGCCAGGCCTCGGACCCACGCTCCCC
 CTGCAACGCCCGAGGCCCTTCCGCTCTTCTTCAGGGTCTGCCTGAAGCCCGGAGTCTCCAGGAGGCC
 ACCGAGTCCCTGTGCGCCTGGGCGCAGCACTGAGCACGAGCGTCCCGTCTATACGAGACCCCGGAG
 AGTCAGCGGCTGCCCTGCCGCTGCCTGATGGCCTCGTACGTGTGCCCTTCCGCGATGCTTGGCCGGGAC
 CTTCTCCCTCGTATTGAAACCTGGAGAGAGCAGCTGGGAGAGCATGCTGGAGGGCCCGCTGGAACCTG
 CTAGCACGTGTGGTGGCCGTAGACGCCTGGCGGCTGGGGCCCGTGGGCCCGGATGTGCAGCGCACAG
 GCACATGGGAGTTGCACTTCTCCTACCGCGCGCGGTGCGAGCCGCCCGCTCGGGCCCGCTGCGCGCG
 CCTGTGCCGCTCACGCAGTCCCCCTCGCGGTGTGGCCCGGACTGCGACCTGCACGCCATTCCCAGAC
 GAGTGCAGAACCCCGTCTGTGTGTCGACCAGGCTGCAGCCCCGAGCACGGCTACTGTGAAGAGCCTGATG
 AATGCCGTTGCCTGGAGGGCTGGACTGGACCCCTCTGCACGGTCCCTGTCTCCACCAAGTACTGCCTGAA
 CTCCAGGGTTCCTGGTCTGCCAGCACTGGATGCCTTTTACCTGGGCCTGGACCTTGTGATGGGAACCCA
 TGTGCCAATGGGGCAGCTGTAGTGAACCTCTGGCTCCTTTGAATGTGCTGTCCCCGGGATTCTACG
 GGCTTCGATGTGAGGTGAGCGGGGTACGTGCGCAGATGGACCTGTCTCAATGGCGGCTTGTGTGTTGG
 CGGTGAAGATCCTGACTTGCCATGTCTGTATTGCCACCTGGTTTCAAGGCTCTAACTGTGAGAAG
 AGGGTGGACCGCTGTAGCCTGCAGCCATGTCAGAAATGGCGGCTCTGCCTGGACCTGGCCACGCGTTGC
 GCTGCCGCTGTGCGCGGGATTCCGCCGGCCGCTGCGAGCACGACCTGGACACTGCGCCGGCCGCGC
 CTGTGCCAACGGCGGACAGTGCCTGGAGGGCGGGCTGCGCGCCGCTGCTCTGTGCGCTGGGCTTCGCG
 GGGCGGACTGCCGAGAACGCGCCGACCCTGCGCCTCCCGCCCTGCGCGCATGGAGGCCGTTGCTACG
 CCCACTTCTCTGGCTGGTCTGCGCCTGCGCGCCCGGCTACATGGGCGTGAGATGCGAGTTCGCTGTGCG
 CCCGGACGGCGGACGCGGTGCCGCCGCCCGCGGGGCTGAGGCAGGCGGATCCACAGCGCTTCTT
 CTGCTCCCGCTTGGGGCTGCTGGTGGCCCGGTTGGCTGGCGCCGACTCTTGGTTCATCCACGTTT
 GCCCGGAGGTCCTGGCCAGGATACCGGACTCGCTGCTTCTGGGACCCGGGAGCCTTCGGTCCACAC
 GCTCCCGATGCACTCAACAACCTGAGGTTACAAGACGGTGTGGGATGGCCCCAGTTCGTCGGCTGAC
 TGAATCATCCTGAAGATGGAGACTCTAGATCCATTTATGTCATACCAGCCCTTCCATTATGCACGAG
 AGGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209139 representing NM_007866
 Red=Cloning site Green=Tags(s)

MVSLQVSPLSQTILAFLLPQALPAGVFELQIHSFGPGPLGTPRSPCNARGPCRLFFRVCLKPGVQSQA
 TESLCALGAALSTSVVYTEHPGESAAALPLPDGLVRVFPFRDAWPGTFSLVIETWREQLGEHAGGPAWNL
 LARVVGRRRLAAGPWARDVQRTGTWELHFSYRARCEPPAVGAACARLCRSRSAPSRCPGLRPCTPFPD
 ECEAPSVCRPGCSPEHGYCEEPDECRCLEGTGPLCTVPVSTSSCLNSRVPGPASTGCLLPGPGCDGNP
 CANGGSCSETSGSFECACPRGFYGLRCEVSGVTADGPCFNGGLCVGGEDPDSAYVCHCPPGFQGSNCEK
 RVDRCSLQPCQNGGLCLDLGHALRCRCRAGFAGPRCEHDLDDCAGRACANGGTCVEGGSSRRSCALGFG
 GRDCRERADPCASRCAHGGRCYAHFSLVCACAPGYMGVRCFAVRPDGADAVPAAPRGLRQADPQRFL
 LPPALGLLVAAGLAGAALLVIHVRRRRPGQDTGTRLLSGTREPSVHTLPDALNNLRQDAGDGPSSAD
 WNHPEGDGSRSIYVIPAPSIYAREA

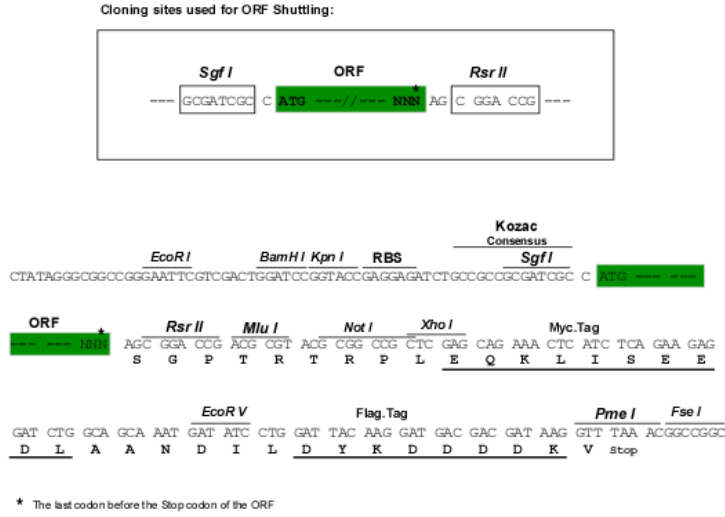
SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Chromatograms:

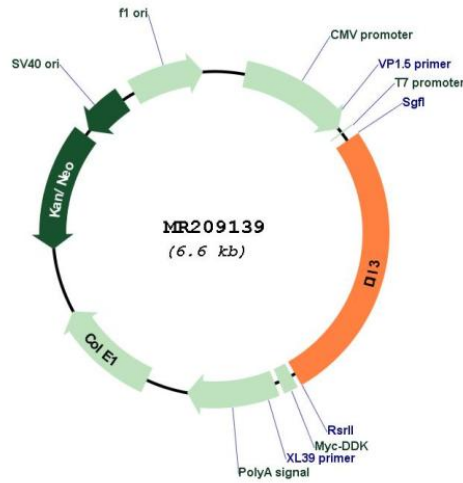
https://cdn.origene.com/chromatograms/mm9014_h03.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_007866

ORF Size: 1755 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_007866.2 , NP_031892.2
RefSeq Size:	2163 bp
RefSeq ORF:	1758 bp
Locus ID:	13389
MW:	61.6 kDa
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]