

Product datasheet for MR216314

Nanos3 (NM_194059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nanos3 (NM_194059) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nanos3
Synonyms:	nos3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216314 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACTTTCAATCTTTGGACAGATTACCTAGGTCTGGCAAGACTGGTTGGGGCTCTGCATAAGGAAG
AGGAGCTTGATGTAAGGCTGGATCCCAAACAGAGCCCAAGCCAAGTTCAGAAAGCCAGCAAGCCAGCAA
GGAATCCTCTGCAGCTCCTGAACGCTTATGTTTCATTCTGCAAACACAATGGCGAGTCCCGTGCCATCTAT
CAGTCCCATGTCCTGAAGGATGAGGCAGGGCGGGTGTGTGTCCATTTTGGGGATTATGTGTGTCCCC
AGTGTGGGGCCACTCAGGAGCACGCCACACTCGACGCTTTTGGCCACTCACCAGCCAGGGCTACACTTC
TGTCTACTGCTACACCACCCGGAATTCGCAGGCAAAAAGCTGACCCGGCCTGACAAGGCAAGACACAG
GATGCTGGCCACCGCCTTGGAGGAGAAGCAGCAGGCTCTATGCAGGTTCCAAAAGTGGCAGGAAGC
CCCTGGACCTTACCCTCGGCCTGCTGTCCCTCCACTACGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR216314 protein sequence Red=Cloning site Green=Tags(s)
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MGTFNLWTDYLGARLVGALHKEEELDVRDPKPEPKPSSSQASKESSAPERLCSFCKHNGESRAIY
QSHVLKDEAGRVLCPILRDYVCPQCGATQEHAHTRRFCLTSQGYTSVYCYTTRNSAGKKLTPDKAKTQ
DAGHRLGGEEAAGVYAGSKSGRPPGPSACCPSSTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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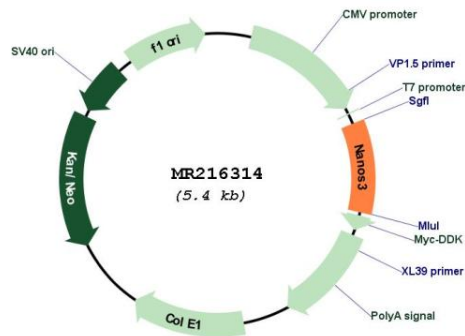


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MW: 19.2 kDa

Gene Summary: Plays a role in the maintenance of the undifferentiated state of germ cells regulating the spermatogonia cell cycle and inducing a prolonged transit in G1 phase. Affects cell proliferation probably by repressing translation of specific mRNAs. Maintains the germ cell lineage by suppressing both Bax-dependent and -independent apoptotic pathways. Essential in the early stage embryo to protect the migrating primordial germ cells (PGCs) from apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216314