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Product datasheet for MC213198

Nanos3 (NM_194059) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nanos3 (NM_194059) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nanos3
Synonyms:	nos3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC213198 representing NM_194059
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGACTTTCAATCTTTGGACAGATTACCTAGGTCTGGCAAGACTGGTTGGGGCTCTGCATAAGGAAG
AGGAGCTTGATGTAAGGCTGGATCCCAAACCAGAGCCCAAGCCAAGTTCAGAAAGCCAGCAAGCCAGCAA
GGAATCCTCTGCAGCTCCTGAACGCTTATGTTCATTCTGCAAACACAATGGCGAGTCCCGTGCCATCTAT
CAGTCCCATGTCCTGAAGGATGAGGCAGGGCGGGTGCTGTGTCCCATTTTGCGGGATTATGTGTGTCCCC
AGTGTGGGGCCACTCAGGAGCATGCCCACACTCGACGCTTTTGCCCACTCACCAGCCAGGGCTACACTTC
TGTCTACTGCTACACCACCCGGAATTCTGCAGGCAAAAAGCTGACCCGGCCTGACAAGGCAAAGACACAG
GATGCTGGCCACCGCCTTGGAGGAGAAGCAGCAGCAGGTGTCTATGCAGGTTCCAAAAGTGGCAGGAAGC
CCCCTGGACCTTCACCCTCGGCCTGCTGTCCCTCCACTACGGCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_194059
Insert Size:	537 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).

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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_194059.2, NP_918948.1
RefSeq Size:	730 bp
RefSeq ORF:	537 bp
Locus ID:	244551
UniProt ID:	P60324
Cytogenetics:	8 C2
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]

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