

Product datasheet for **MC214612**

Nanos1 (NM_178421) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nanos1 (NM_178421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nanos1
Synonyms:	NOS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214612 representing NM_178421 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCTTTCCCTTGGGCGCCACGCTCGCCCCGCGCCCGCCCGCCCGCCCGCCTATGGCGCTCGTGC
CCAGCGCCCGCTACGTGAGCGCCTCGGGCCCGGTGCACCCGACGCCCTTCAGCTCCTGGAACGACTACCT
GGGGCTTGCCACGCTCATCACCAGGGCTAGCGACCGGGTCCCCGCATGAGGGGCCGGGCCACGGCG
GCGGGGCCACGATGGGGCCGCCGAGGACGATGAAGACGATGACGGCGAAGAGCCGAGGCCGGGGCC
GCTACCTGGGCGGTGCGTTGGAAGTGCAGCGACTAGAGCTGTGTGCCGGCCCGCTGAGCCCGGGTGTCT
GGAGGAGCGCTTCGCTGAGCTGAACCCGTTTGCAGGGCGCGCCGCGCGTTCGCTGGGCTGCGCGCC
ACCGCCTCCACCACCGCCGCCGCGCATCCACGGCCGAAGTGACGCCGCGGAAGAGCCAAGCCCTGCGT
GGGCTGCCGAGCCTCGTCTGCACGCGGCTTCCGGGGCGACCGCCGACGCTCTGCTGAAACCGGAGCTTCA
GGTGTGTGTGTTTTGCCGGAACAACAAGGAGGCGGTGGCGCTCTACACCACACATCCTCAAGGGCCCG
GACGGCCGGTGTGCCCCGCTTGCAGCGCTACACGTGCCCCCTGTGCGGCGCCAGCGGGCGACAACG
CACATACCATCAAGTATTGCCCGCTCTCAAAGTGCCACCGCCACCGTCCGCCCGCCCGCCGCGCAGCAA
CAGGGACAGCCTGCCAGCAAGAAGCTGCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1707_c03.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178421



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Insert Size:	804 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_178421.3 , NP_848508.2
RefSeq Size:	3945 bp
RefSeq ORF:	804 bp
Locus ID:	332397
UniProt ID:	Q80WY3
Cytogenetics:	19 D3
Gene Summary:	This gene encodes a CCHC-type zinc finger protein that is a member of the nanos family. This protein co-localizes with the RNA-binding protein pumilio RNA-binding family member 2 and may be involved in regulating translation as a post-transcriptional repressor. Mutations in a similar protein in human are associated with spermatogenic impairment. [provided by RefSeq, Sep 2015]