

Product datasheet for **SC307986**

NANOS1 (NM_199461) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NANOS1 (NM_199461) Human Untagged Clone
Tag: Tag Free
Symbol: NANOS1
Synonyms: EC_Rep1a; NOS-1; NOS1; SPGF12; ZC2HC12A
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_199461 edited
 CCGCAGCCCGCCCATGGAGGCTTTCCCTGGGCGCCCCGCTCGCCCCGCCGGCCCGCC
 CCCCCCGCCATGGCGCTCGTGCCACGCGCCGCTACGTGAGCGCCCCGGCCCCGGCGCA
 CCGCAGCCCTTCACTCCTGGAACGACTACCTGGGGCTCGCCACGCTCATCACAAAGC
 GGTGGACGGCAGCCCGCTTCGGCTGCGCCCGGGTGGGAACGCGCGCGGGCTCCCC
 GCCCTCCTCCTCGTCTGCTGCTCCCCACACGGGGCCGGGCTGGGGCGCT
 GGGGCCGGCGCTGGGGCCCGGACTACGACGAGGACGACGACGACGACGACGAGCC
 GGGGTCCCGGGCCGCTACCTGGGGAGCGCGTGAATTGCGCGCGCTGGAGCTGTGCGC
 GGGCCCCCGGAGCCGGGCTGCTGGAGGAGCGTTCCGCCGAGCTGAGCCGTTCCGGG
 TCGTGCCCGCCGCTGCTGCTGGGCTGCGCGCCCGCCCGCCCGCCGCCACCACCAC
 CAGCGAGGCGACCCGCGGAGGAGCGGGCCCCGCGTGGGCGGCGAGCCCCGCTGCA
 CGCGGCTCCGGGCGGGCGCCCGCCGCTGCTGAAGCCCGAGCTGCAGTGTGCGTGT
 CTGCCGGAACAACAAGGAGGCGATGGCGCTCTACACCACCCATATCCTCAAGGGCCCCGA
 CGGGCGAGTGTGTCCCGTGTGCGCCGCTACACGTGTCCCCTGTGCGGCGCCAGCGG
 CGACAACGCGCACACCATCAAGTACTGCCCGCTCTCAAAGTGCCCGCCGCCGCCCGCC
 CCCGCCCGCCGAGCGCCAGGGACGGCCCGCCTGGCAAGAAGCTGCGCTGAAGGCCCGG
 GCTCCCGCCGCCAGGGTCCCGCCCGCCCTCGCACCGCTAGGTCTGCGCACCATCTCG
 CCCCCCGCTGGGAGGGCTGCGGCTCAGCGGTGGCTCGACATGGGACGTCGTCTGTT
 GGTTTTGAAAAGCAGCCGACCGTGTGGAGTACTTCCGTGTAACGATTGGGACTAGAC
 GCTGAAATCCCCATTTGTCTTCACTTTCTAGTTTGCACATCCAGAACGGGGAAGGCTGG
 TGTGTATTCCACTAACTGAAATATGGCAACTTAGAGGCGCTGTTATTTACTGTATACGT
 CGACCTATTTTAGATGCGCATCAGTATGAAATTGTCTCAATCTTGGATGTTTCATTTAT
 GAATGGAGGCACTTTACTAGGTCTAGA

Restriction Sites: Please inquire
ACCN: NM_199461



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Insert Size:	1300 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_199461.2</u> , <u>NP_955631.1</u>
RefSeq Size:	4627 bp
RefSeq ORF:	879 bp
Locus ID:	340719
UniProt ID:	<u>Q8WY41</u>
Cytogenetics:	10q26.11
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 this gene are associated with spermatogenic impairment. [provided by RefSeq, Sep 2015]