

## Product datasheet for MC218692

### Nanos1 (BC056473) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Nanos1 (BC056473) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Nanos1  
 Synonyms: nanos1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >BC056473  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCTCGTCCCAGCGCCCGCTACGTGAGCGCCTCGGGCCCGGTGCACCCGCAGCCCTTCAGCTCCT  
 GGAACGACTACCTGGGGTTGCCAGCTCATCACCAGGGCTAGCGACCGGGCTCCCCGCATGAGGGGCC  
 CGGGCCACGGCGCGGGGCCACGATGGGGCCCGCCGAGGACGATGAAGACGATGACGGCGAAGAGCCG  
 GAGGCCGGGGCCGCTACCTGGGCGGTGCGTTGGAAGTGCAGGCGACTAGAGCTGTGTGCCGCCCGCTG  
 AGCCCCGGTTGCTGGAGGAGCGCTTCGCTGAGCTGAACCCGTTTGCAGGGCGCGCCGCCGCGTTTCTGCT  
 GGGCTGCGCGCCACCGCTCCACCACCGCCCGCCGCATCCACGGCCGAAGTGACGCCGCGCGAAGAG  
 CCAAGCCCTGCGTGGGCTGCCGAGCCTCGTCTGCACGCGGCTTCCGGGGCGACCGCCGCAGTCTGCTGA  
 AACCGGAGCTTCAGGTGTGTGTTTTGCCGGAACAACAAGGAGGCGGTGGCGCTCTACACCACACAT  
 CCTCAAGGGCCCGGACGGCCGGGTGCTGTGCCCGGTCTTGCGCCGCTACACGTGCCCCCTGTGCGGGCC  
 AGCGGCGACAACGCACATACCATCAAGTATTGCCCGCTCTCCAAGTGCCACCGCCACCGTCCGCCCGC  
 CGCCGCGCAGCAACAGGGACAGCCTGCCAGCAAGAAGCTGCGCTAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: BC056473  
 Insert Size: 891 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC056473</a> , <a href="#">AAH56473</a>
<b>RefSeq Size:</b>	3632 bp
<b>RefSeq ORF:</b>	746 bp
<b>Locus ID:</b>	332397
<b>Cytogenetics:</b>	19 D3
<b>Gene Summary:</b>	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]