

Product datasheet for MR227419

Nos1 (NM_008712) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Nos1 (NM_008712) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Nos1 |
| Synonyms: | 2310005C01Rik; bNOS; N-NOS; NC-NOS; nNOS; NO; NOS; Nos-1; NOS-I |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR227419 representing NM_008712 Red=Cloning site Blue=ORF Green=Tags(s) |

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Protein Sequence: >MR227419 representing NM_008712
 Red=Cloning site Green=Tags(s)

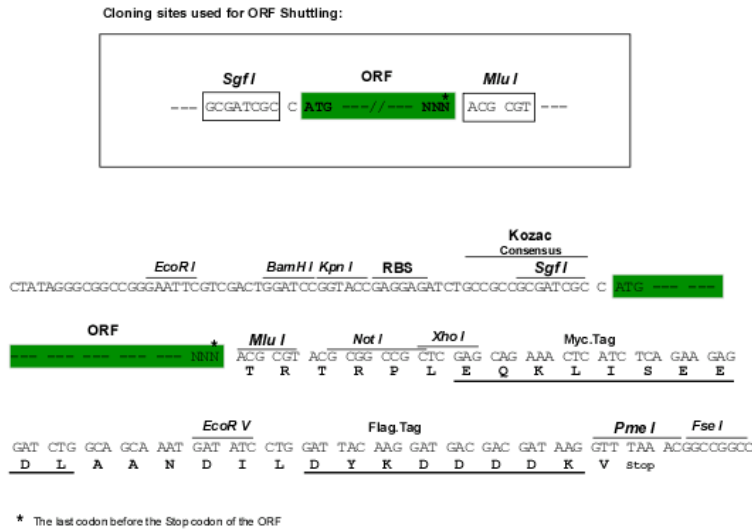
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 VEINI AVL YSFQSDKVTIVDHSATESFIKHMENEYRCRGGCPADWVWVPPMMSGITPVFHQEMLNRYL
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 TYEVTNRLRSESI AFIEESK KDTDEV FSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

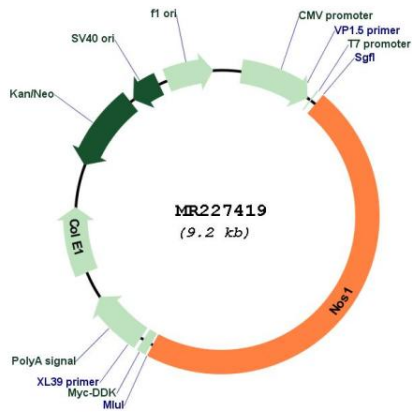


ACCN: NM_008712

ORF Size: 4287 bp

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| OTI Disclaimer: | 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 |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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_008712.3 , NP_032738.1 |
| RefSeq Size: | 4388 bp |
| RefSeq ORF: | 4290 bp |
| Locus ID: | 18125 |
| UniProt ID: | Q9Z0J4 |
| Cytogenetics: | 5 57.29 cM |
| MW: | 160.9 kDa |
| Gene Summary: | Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR. Isoform NNOS Mu may be an effector enzyme for the dystrophin complex.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR227419