

Product datasheet for **RN212930**

Nostrin (NM_001024260) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nostrin (NM_001024260) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nostrin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212930 representing NM_001024260
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGGACCCACTGACAGACTGTTCTGACAATAAAGTATACAAGAGCCTGAAGGAGTTTGCTCAAATG
 GAGACAATTTCTGCAAGCAGATCACATCCGTTCTTCAGCAAAGGGCCAACCTGGAGATCAGCTATGCCAA
 AGGGCTTCAGAAACTGGCAGTCAAGCTCAGCAAAGCACTACAGAGCACAAGAAAAACTGTCTCAGCACT
 GCTTGGGCTGGGCTCAGAGAGCATGAAATCCGACGAGATCTCCATCAAAAACCTGGCAAAGCAATTG
 AGTTGGAAGCAATAAAGCCAACACACCAAGTCTGAGTATGCAAGAGAAGAAGAGGAAAGTCTCGATAA
 TGAAGTGGAAAAGTCAGCAAATCTTGTTAATAAAGTGAATCAGCAAATAAAGGCTAAGAAAAATTA
 ATGATGAGTACGAAGAAGCATGAAGCCCTTTCCACCTTATAGAAAGCTCCAAGCAATCCATGACCCAGA
 AGGAGAAGCAGAAGCTCCTCAACAAGCTGAAAAATCAACTGAAAACTGAAAAAGAAGATGAAAGCTA
 CTACAAAAAACATGGCAGGCTATTCTACTAGGCTGAAGTGGGAAAGCACCCCTGGAAAAGTGTACAAG
 AGCATGCTGGAGCTGGAGAAGGAAAGAATCAACTTTTATGCAATAACTTAAACCAATACAGCCAACATA
 TTTCTCTTTTCGGACAAACGCTGACCACATGCCACACACAGATCCACTGTGCTATCAGCAAGGTTGATGT
 TGAAAAAGATATCCAGGCTCTAATGGAAGAACTGCAGTCTGTCTTTAGAAAACAAATCGGAGCTTCTG
 CTGGCTGACTACTTTGAAGAAGATCCAAAGAACCAATGGACAAAGAGCGACGGAAGTCTTTAATAAAAC
 CCAAACCTGTGGAGACTGCAGAAAGACATTGAAAAGGCCTCAAGAGACAAAGAAGGCTGGAAACAGAACT
 TAAAGCACTTGCCAGCAGTGCCTCCTTTTCTGATGCTAAGAGCCAGAAAGATGCAGAGACGCTAATGGAC
 GAGAACAGCTTGAACCTAGACCTTTTGAAGCGAACTCTACAAGCTGTGACGGTGTGGCAGACCTGG
 AGCAACGGCCAAAGCCCTGTCATCCGTGCAGCACTGCAATTTTCAAGTGGAAAGGAAAGGACACTTCA
 TTCTTACGTGAAAATATCCCGGCCTCTTTGACGAAGAGATTAGAGAAAGCTGAGAGCAAGGCCCCCGCG
 GGTGAGCAGAACAACCCGAGCTTTCACGTCCAGGCTCTAGTGTGTCCCAAGGCAACAACCAACTTTGCA
 AAGCCTTATACACCTTCCAAGCCAGGCAAGATGATGAGTTAAACTTGGAAAAAGGAGACATCGTGACCAT
 ACATGAGAAGAAAGAAGAAGGATGGTGGTTCGGCTCTTTAAATGGGAAGAAGGGCCATTTCCCTGCTGCC
 TATGTGGAGGAGCTGCCTCAAAGGCTGGACAGGC**TAA**

ACGGTACGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024260

Insert Size: 1509 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).

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_001024260.1](#), [NP_001019431.1](#)

RefSeq Size: 1720 bp

RefSeq ORF: 1509 bp

Locus ID: 311111

UniProt ID: [Q5I0D6](#)

Cytogenetics: 3q21

Gene Summary: Multivalent adapter protein which may decrease NOS3 activity by inducing its translocation away from the plasma membrane.[UniProtKB/Swiss-Prot Function]