

## NOSIP cDNA

Catalog Number: ATGD0145

### PRODUCT INFORMATION

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**Catalog number**

ATGD0145

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001257889.1

**Alternative Names**

CGI-25

**mRNA Refseq**

NM\_001270960.1

**OMIM**

**Chromosome location**

19q13.33

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

906bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

NOSIP encoded by this gene may modulate the activity and localization of nitric oxide synthase (endothelial and

neuronal) and thus nitric oxide production. Alternative splicing results in multiple transcript variants that encode the same protein

## DATA

### Sequence nucleotides

ATGACGCGGCATGGCAAGAACTGCACCGCAGGGGCCGTCTACACCTACCACGAGAAGAAGAAGGACACAGCGGCCTCGG  
GCTATGGGACCCAGAACATTCGACTGAGCCGGGATGCCGTGAAGGACTTCGACTGCTGTTGTCTCTCCCTGCAGCCTTGCC  
ACGATCCTGTTGTCACCCAGATGGCTACCTGTATGAGCGTGAGGCCATCCTGGAGTACATTCTGCACCAGAAGAAGGAGA  
TTGCCCCGGCAGATGAAGGCCTACGAGAAGCAGCGGGGCACCCGGCGCGAGGAGCAGAAGGAGCTTCAGCGGGCGGCCTC  
GCAGGACCATGTGCGGGGCTTCCTGGAGAAGGAGTCGGCTATCGTGAGCCGGCCCCCTCAACCCTTTCACAGCCAAGGCC  
TCTCGGGCACCAGCCCAGATGATGTCCAACCTGGGCCAGTGTGGGTCCTCCAAGTAAGGACAAGGACAAAAGTGCTGCCC  
AGCTTCTGGATCCCGTCGCTGACGCCCAGCCAAGGCCACCAAGCTGGAGAAGCCGTCCCGCACGGTGACCTGCCCCAT  
GTCAGGGAAGCCCCTGCGCATGTGCGACCTGACGCCCCTGCACTTCACACCGCTAGACAGCTCCGTGGACCGCGTGGGGC  
TCATCACCCGCAGCGAGCGCTACGTGTGTGCCGTGACCCGCGACAGCCTGAGCAACGCCACCCCTGCGCTGTGCTGCGG  
CCCTCTGGGGCTGTGGTCACCCTCGAATGCGTGGAGAAGCTGATTGGAAGGACATGGTGGACCCTGTGACTGGAGACAA  
ACTCACAGACCGCGACATCATCGTGCTGCAGCGGGGCGGTACCGGCTTCGCGGGCTCCGGAGTGAAGCTGCAAGCGGAG  
AAATCACGGCCGGTGATGCAGGCCTGA

### Transaction Sequence

MTRHGKNCTA GAVYTYHEKK KDTAASGYGT QNIRLSRDAV KDFDCCCLSL QPCHDPVVTDPGYLYERAI LEYILHQKKE  
IARQMKAYEK QRGTRREEQK ELQRAASQDH VRGFLEKESAIVSRPLNPFT AKALSGTSPD DVQPGPSVGP PSKDKDKVLP  
SFWIPSLTPE AKATKLEKPSRTVTCPSMGK PLRMSDLTPV HFTPLDSSVD RVGLITRSEY YVCAVTRDSL  
SNATPCAVLRPSGAVVTLEC VEKLIRKDMV DPVTGDKLTD RDIIVLQRGG TGFAGSGVKL QAEKSRPVMQA