

NOSIP cDNA

Catalog Number: ATGD0145

PRODUCT INFORMATION

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

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 inserted 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
GCAGGACCATGTGCGGGGCTTCCTGGAGAAGGAGTCGGCTATCGTGAGCCGGCCCCCTCAACCCTTTCACAGCCAAGGCCC
TCTCGGGCACCAGCCCAGATGATGTCCAACCTGGGCCCAGTGTGGGTCCTCCAAGTAAGGACAAGGACAAAAGTGCTGCCC
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