

Product datasheet for **SC108090**

NOSIP (NM_015953) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOSIP (NM_015953) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOSIP
Synonyms:	CGI-25
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108090 sequence for NM_015953 edited (data generated by NextGen Sequencing)

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ATGACGCGGCATGGCAAGAAGTGCACCGCAGGGGCCGTCTACACCTACCACGAGAAGAAG
AAGGACACAGCGCCTCGGGCTATGGGACCCAGAACATTCGACTGAGCCGGGATGCCGTG
AAGGACTTCGACTGCTGTTGTCTCTCCCTGCAGCCTTGCCACGATCCTGTTGTACCCCA
GATGGCTACCTGTATGAGCGTGAGGCCATCCTGGAGTACATTCTGCACCAGAAGAAGGAG
ATTGCCCGGCAGATGAAGGCCTACGAGAAGCAGCGGGGCACCCGGCGGAGGAGCAGAAG
GAGCTTCAGCGGGCGGCCTCGCAGGACCATGTGCGGGGCTTCTGGAGAAGGAGTCGGCT
ATCGTGAGCCGGCCCTCAACCCCTTTCACAGCCAAGGCCCTCTCGGGCACCAGCCAGAT
GATGTCCAACCTGGGCCAGTGTGGTCTCCAAGTAAGGACAAGGACAAAGTGCTGCC
AGCTTCTGGATCCCGTCGCTGACGCCCGAAGCCAAGCCACCAAGCTGGAGAAGCCGTCC
CGCACGGTGACCTGCCCATGTCAGGGAAGCCCTGCGCATGTGCGACCTGACGCCCGTG
CACTTCACACCGCTAGACAGCTCCGTGGACCGCTGGGGCTCATACCCCGCAGCGAGCGC
TACGTGTGTGCCGTGACCCGCGACAGCCTGAGCAACGCCACCCCTGCGCTGTGCTGCGG
CCCTCTGGGGCTGTGGTCAACCTCGAATGCGTGGAGAAGCTGATTCGGAAGGACATGGTG
GACCCTGTGACTGGAGACAACTCACAGACCGCGACATCATCGTGCTGCAGCGGGGCGGT
ACCGGCTTCGCGGGCTCCGGAGTGAAGTGCAAGCGGAGAAATCACGGCCGGTGATGCAG
GCCTGA
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Clone variation with respect to NM_015953.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015953 unedited</p> <pre> NGGTCAGAATTTGTATACGACTCTATAGGCGGCCGGCGATTTCGGCACGAGGGGACTGGG AGTCGTTAGTGAGGATGACGCGGCATGGCAAGAACTGCACCGCAGGGGCCGTCTACACCT ACCACGAGAAGAAGAAGGACACAGCGGCCCTCGGGCTATGGGACCCAGAACATTGACTGA GCCGGGATGCCGTGAAGGACTTCGACTGCTGTTGTCTCTCCCTGCAGCCTTGCCACGATC CTGTTGTACCCAGATGGCTACCTGTATGAGCGTGAGGCCATCCTGGAGTACATTCTGC ACCAGAAGAAGGAGATTGCCCGCAGATGAAGGCCACGAGAAGCAGCGGGCACCCGGC GCGAGGAGCAGAAGGAGCTTCAGCGGGCGGCCCTCGCAGGACCATGTGCGGGCTTCTGG AGAAGGAGTCGGCTATCGTGAGCCGGCCCTCAACCCTTTCACAGCCAAGGCCCTCTCGG GCACCAGCCAGATGATGTCCAACCTGGGCCAGTGTGGGTCTCCAAGTAAGGACAAGG ACAAAGTCTGCCAGCTTCTGGATCCCGTCGCTGACGCCGAAGCCAAGGCCACCAAGC TGGAGAAGCCGTCCCGCACGGTGACCTGCCCATGTGAGGAAGCCCTGCGCATGTCGG ACCTGACGCCGTGCACTTACACCCGCTAGACAGCTCCGTGGACCGCGTGGGGCTCATCA CCCGCAGCGAGCGCTACGTGTGTCCGTGACCCGCGACAGCCTGAGCAACGCCACCCCT GCGCTGTCTGCGGNCCTCTGGGGGCTGTGGTCAACCCTCGAATGCGTGGAGAAGCTGATT CGGAAGGACATGGNTGGACCCTGTGACTGGAGACAACTCACAGACCGCGACATCATCGG CTGC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015953 unedited</p> <pre> TTGACGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT GCGCACCAAACCGGTTATTTGGTCTCCCGCACACACTCAGGCCTGGATTACCGGCCGG GATTTCTCCGCTTGCAGCTTCACTCCGGAGCCCGCAAGCCGGTACCGCCCGCTGCAAC ACGATGATGTCGCGGGCTGTGAGTTTGTCTCCAGTCACAGGGTCCACCATGTCCTTCCGA ATCAACTTCTCCACGCATTTCGAGGGGACACAGCCCAAAGGGCCGCAACACAACGCAG GGGTGGCGTTGCTCAAGCTGTGCGGGTACGGCACACACCTAACGCTCGCTGCGGGTG ATGAACCCACGCGGGCCACGGAGCTGTCTAACGGTGTGAAATGCACGGGCGTCAGGTCC GACATGCGCAGGGGCTTCCCTGACATGGGGCAGGTCAACGTGCGGGACGGGTTCTCCAGC TTGGTGGCCTTGGCTTCCGGCGTCAACGACGGGATCCAAAAATGGGCAGCACTTTGGCC TTGTCTTACTTGGAGGACCCACACTGGGCCAGGTTGGACATTATTTGGGCTGGTGCC CCCAAAAGGCGCTTGGCTGTGAAAAGGTTGAAGGGCCCGCTTACAAAAACCGACCTTTT TTCAAGAAGCCCGCACAAATGGGCTGCGAGGGCCCGCCGTTGAAACTTCTTTTTGGCT CCTCGCGCCCGGTGCGCCCGCTGGTTTTTTATAGGGCTTATTTTGGGCGGCAATTCTT CTTATCTTTGGTGGCACAAAGTGCATCCAAGATGGGCTTAACCTTCATACATGGGACCCT CTTGGGGGGACACAAAGGAACTGGGAAGGCTCCAAGGAAAAACACACCCATCCACAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015953
Insert Size:	1000 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_015953.3](#), [NP_057037.1](#)

RefSeq Size: 1116 bp

RefSeq ORF: 906 bp

Locus ID: 51070

UniProt ID: [Q9Y314](#)

Cytogenetics: 19q13.33

Gene Summary: The protein 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. [provided by RefSeq, Aug 2012]
Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (1).