

Product datasheet for **SC114558**

NSG2 (HMP19) (NM_015980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSG2 (HMP19) (NM_015980) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSG2
Synonyms:	CALY3; HMP19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114558 sequence for NM_015980 edited (data generated by NextGen Sequencing)

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ATGGTGAAGCTGAACAGTAACCCAGCGAGAAGGGAACCAAGCCGCTTCAGTTGAGGAT
GGCTTCCAGACCGTCCCTCTCATCACTCCCTTGGAGGTTAATCACTTACAGCTGCCTGCT
CCAGAAAAGGTGATTGTGAAGACAAGAACGGAATATCAGCCGGAACAGAAGAACAAGGG
AAGTTCGGGTGCCGAAAATCGCTGAATTTACGGTCACCATCCTTGTGAGCCTGGCCCTA
GCTTTCCTTGCCTGCATCGTGTTCCTGGTGGTTTACAAAGCCTTCACCTATGATCACAGC
TGCCAGAGGGATTGCTCTATAAGCACAAACGCTGTATCCAGCCTCCCTGGATGCTTAC
TACTCTCCAGGACCCCAATTCAGAAGCCGCTTCTACACAGTCATCAGCCACTACAGC
GTGGCCAAGCAGAGCACTGCCCGGCCATCGGGCCGTGGCTGTCAGCAGCCGCTGTCATC
TATGAGCCCAAGCCGCCAAGACCCAGGGCCACTAG
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Clone variation with respect to NM_015980.3
481 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015980 unedited
 CCTGTCANATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTCTTTTC
 AGCACCACAAGCTCGGGCTGAGGAGGGAGGACTCCTGGCCGTCCTCTCTTCAAATT
 GGCTTGAATCTTCTCTGACCCCCACGAGTGCAGCACAGTCTGGGAAGAAAGCGTAAGG
 ATGGTGAAGCTGAACAGTAACCCACGCGATAATGGAACCAAGCCGCTTCAGTTGAGGAT
 GGCTTCCAGACCGTCCCTCTCATCACTCCCTTGGAGGTTAATCACTTACAGCTGCCTGCT
 CCAGAAAAGGTGATTGTGAAGACAAGAACGGAATATCAGCCGGAACAGAAGAACAAGGG
 AAGTTCCGGGTGCCGAAAATCGCTGAATTTACGGTCACCATCCTTGTGAGCCTGGCCCTA
 GCTTTCCTTGCCTGCATCGTGTCTGCTGGTGGTTTACAAAGCCTTACCTATGATCACAGC
 TGCCAGAGGGATTGCTCTATAAGCACAAACGCTGTATCCAGCCTCCCTGGATGCTTAC
 TACTCTCCAGGACCCCAATTCAGAGCCGCTTCTACACAGTCATCAGCCACTACAGC
 GTGGCCAAGCAGAGCACTGCCCGGGCCATCGGGCCGTGGCTGTCAGCAGCCGCTGTCATC
 TATGAGCCCAAGCCGCCAAGACCCAGGGCCACTAGAGGCCTGCCCCAGCCAGAATGNGG
 GGGCGGTGGAGAGGAGGACCCCAATTGGCTAAGCCAAGCTCCAGTTACAAGACAACACT
 GTACTCCTGNGATATGGGGCGGNGCGGGGCANGGCAGGNTGGNGGGAAGACGCACCAC
 AACGTGGTGGTGTGGAAGTGTCTGACCGAATTNCTTTTGTTCCTGGGATTGGTGATCC
 CCGCCGATCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015980 unedited
 NTTTAGCTATGNNACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCTCA
 GACCATCTATCTTTATTTGTTTCTGTGAGAAAATCAAGATTACACAAAAAATACTTC
 CGCCTCTGCTACCTACTGACAAAAATACACCACAAAATTATAAAGCGCTCAGCGTTTTG
 CTAGGGACAACCTGTTATTCCGCTTTGAATGACAAATGAATTTACAGGTGACTCAGGGTG
 ATTGGAGGTTGGGGGAGAAGGGAGGAAAAATCAGATGAGAGCGTTTGGCAGGATAGTTTG
 AGCTATGCTAGTCTTATTACCCAGCTGTTGCATACGATGATCTCAGCAACACAGCAAGCC
 ACAAAAAAATACCTTTACATGGCCTGTGGGAGACTTGTGAGGAAGCAGTACCACATCTC
 AAATAACCAATTTCCCAGCTGGTTCTGGCCCTGTGGGTCTGGAGCTGACACCTGCGAG
 AACTGGCCTCCCTGAAACATTTGTGAGAGGCAGGGGAATGCCTGATACGGTTCCAGGGAA
 CTGGGAGGCTGGTCAAGGCTGGATGCTGCCTCCTTGTGAGGAGCTTCTAGAACTCGGTT
 GGGGAGTTTGGNACAATGTCCNCTTTTACACAACGAAGTGGGCAAAAGACAGTCCCATT
 TTTGAGCTTTCTTAGAAACGATTTGGCATTGTTGTTGGCCCAACCTTTAGGTCTCTTC
 CTGGCTGTCACCTTNGAGCTCCTGGNTGGAATCCTATTGTNNGTGNTATTGGTATCAGCAC
 TTTTGGGAACCAACAACAACAAAACTTAAAAGTCAGGTGCCCTGTGCTTATCGCTTGT
 GGGCCTAGGGTACCATGCCTTGTCCGTGCCTTTCCTTTTGGAGCCGACCTTTCTCCCT
 NCCTCTCA

Restriction Sites:

NotI-NotI

ACCN:

NM_015980

Insert Size:

3330 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_015980.3](#), [NP_057064.1](#)

RefSeq Size: 2356 bp

RefSeq ORF: 516 bp

Locus ID: 51617

UniProt ID: [Q9Y328](#)

Cytogenetics: 5q35.2

Protein Families: Druggable Genome, Transmembrane