

## Product datasheet for **SC112045**

### **NIPAL2 (NM\_024759) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NIPAL2 (NM_024759) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPAL2
Synonyms:	NPAL2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024759, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCGGTGGCGCCCGGGCCCCGGGGACTCCGCCTCGGCCGCCCTGGACGAGCTGTCACTGAATT
TCACGTACGGGGCACCAGGCGCCGGCAACGGCTCCCTCTCGGGCGACTGGTACCGCAGGAACCAGATTCA
CCTTTTGGAGTTTTGCTGGCTATTTTAGGAACTTGGTGATCAGTATTTCTCTAAATATTCAGAAATAT
TCTCACCTTCAGCTGGCACAACAAGAGCACCCAAGGCCATACTTCAAGAGTGTGCTGTGGTGGGGTGGTG
TCCTGCTGATGGCCGTGGGAGAGACGGGAACTTGCAGCCTATGGATTGCTCCCATTACTCTGATCGC
TCCGTTAGGCTGTGTCTGTTACAGGTAGTGCCATTATTTCTGTTACATTTCTGAAAGACAATTTGAGA
GCCTCAGACTTACTCGGTACGACTGGCATTTCAGGAACATATTTACTGGTGAATTTGCTCCAATA
TAACTCAGGCAATCTCAGCAAGAACAGTACAGTATTACCTTGTCGGATGGCAGTTCTGATCTATGTGAT
TTTAGAAATATTAATTTCTGCATTCTCCTGTATTTCTATAAAAAGAAAAGGAATGAAGCATATGGTGATT
CTGCTAACCTGGTGGCAATTCTAGCCTCATTGACTGTTATTTTCAGTAAAGGCCGCTCAGGCATGATCA
CTTTTCTGTGATGGATAAAATGCAACTAATTTACCCATTTTCTATATCATGTTTATCATGATAGC
ATCTTGTGTTTTCCAAGTCAAGTTCTGAATCAAGCCACGAACTCTACAATACGACAACAGTGGTGCCA
GTTAATCATATTTCTTTACAATCAGTGCCATCATTGCAGGTATCATATTTATCAGGAATTCCTTGGTG
CTCCTTTTCTCACTGTATTTATATATCTTTTTGGGTGTTTTCTGTCATTCCTTGGTGTATTTTTGGTCC
AAGAAATCGAGAAAAGGAACATCTGCAACAGTCTTATATTGATTTGGAAATATTCCTGACACAACCCCA
GAGAGAAAAGCCTTGGAGGAAACAAATGTTGGACAAAATACAACCAGATTCACATAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_024759 unedited</p> <p>TAAAATTTGTATACGACTCACTTATAGGGCGGCCGCAATTCGCACCAGGCGAGACCTCA  TGGCAGCGGTGGCGCCCGCGGGCCCCGGGGACTCCGCCTCGGCCGCCCTGGACGAGCTGT  CACTGAATTTACGTACGGGGCACCAGGCGCCGGCAACGGCTCCCTCTCGGGCGACTGGT  ACCGCAGGAACAGATTCACCTTTTTGGAGTTTGTCTGGCTATTTAGGAACTTGGTGA  TCAGTATTTCTCTAAATATTCAGAAATATTCTCACCTTCAGCTGGCACAACAAGAGCACC  CAAGCCATACTTCAAGAGTGTGCTGTGGTGGGGTGGTGTCTCTGATGGCCGTGGGAG  AGACGGGGAACCTTGCAGCCTATGGATTTGCTCCATTACTCTGATCGCTCCGTTAGGCT  GTGTGTCTGTTACAGGTAGTGCCATTATTTCTGTTACATTTCTGAAAGACAATTTGAGAG  CCTCAGACTTACTCGGTACGACTGGCATTTCAGGAACATATTTACTGGTGAACCTTTG  CTCCAAATATAACTCAGGCAATCTCAGCAAGAACAGTACAGTATTACCTTGTGGATGGC  AGTTCTGATCTATGTGATTTTAGAAATATTAATNTCTGCATTCTCTGTATNTCTATA  AAAGAAAAGGAATGAAGCATATGGTGATTCTGCTAACCTGGTGGCAATTCTAGCCTCAT  TGACTGTTATTTAGTAAAAGCCGTCTCAGGCATGATCACTTTTTCTGTGATGGGATAAA  ATGCACTAACTTACCCATTTTCTATTATCATGTTATCATCATGATAGCATCTTGTGTTT  TCCAAGTCAGNTNCTGAATCAGCCACGAACTCTACATACGACACAGTGGGTGCAGTAATC  ATATTTNCTTACATCAGTGCCTCATTGCAGTATCATATTTATAGGAATNNNCTGTGCTCT  TNTCTACGAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_024759 unedited</p> <p>NNAATTTAGCTNTGNACCGCGCCTCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTT  GCTTGAGAAATTTTTATTGATTTGTTTTCAAGTGATTCTGGTAACCAAAGTATTACAG  TTACAGGGCAAGCAAACATTTAAGCCAAAAACAATCATATGGCAAAGGCCTCTGCTTTA  ATCTACTACATGAGAGGTCAATTGTTACTATTTCCAAAGCTGTTATAGACTTGGAATGTG  GAATTGGAGAGGCTTTTGAATGTAGTTAGTGGTGTTCACAAAAGAACCTGCCTTTCA  ACTTGGACCCTAAGAATGAACCTTCACTTCCATTTAGAATTATATAAGCAAAAATATC  TGAAGGCAAAATCAAGCCATGTTTCCACTCCCAAAGTATCTCATTTGTGATGAGCCA  TGAGTGTCACTTTTTAACTCCTTCCCTGAATGCCAATCAACAGGAAAGAGCTGCAGA  GCAAGGGCAGAAGAGTCTAGACCAGGTGTGGGAACTATAGCTCACAGACTGGCCACTTG  TTTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG  GGATGCCAATGGCATGATCTNCGGCTTCACTGCANCCCTCCACCTCCCGGTTCAAGTGA  TTTCTCCTGCCTCAGCTCCANGTAGCTGGGACTCCANGCACCACCGTCATGCCTGGC  TAATTTTTGTACTTTTAGTAGAGATGGGGTTTCACTATGTTGACCAGCCTGGTCCCAAAC  TCCTAACCTCAGATGATCTGTCAGCCTCAGCTCCCAAATGCTGGGATTACAGGCATGAG  CCCCATGCCTTGCCTGTAATAAGTTTTACTGGGACCAGCCCTGCTCTTCTGTTACT  CT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024759
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_024759.1](#), [NP\\_079035.1](#)

**RefSeq Size:** 2255 bp

**RefSeq ORF:** 1107 bp

**Locus ID:** 79815

**UniProt ID:** [Q9H841](#)

**Cytogenetics:** 8q22.2

**Protein Families:** Transmembrane