

## Product datasheet for **RC236000**

### HSPC111 (NOP16) (NM\_001291306) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HSPC111 (NOP16) (NM\_001291306) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HSPC111  
**Synonyms:** HSPC111; HSPC185  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC236000 representing NM\_001291306  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCAAGGCCAAGGGCAAACCCGGAGGCAGAAGTTTGGTTACAGTGTCAACCGAAAGCGTCTGAACC  
 GGAATGCTCGACGAAGGCAGCGCCGCGGATCGAATGCTCCACATCCGACATGCCTGGGACCACGCTAA  
 ATCGGTACGGCAGAACCTGGCCGAGATGGGGTTGGCTGTGGACCCCAACAGGGCGGTGCCCTCCGTAAG  
 AGAAAGGTGAAGGCCATGGAGGTGGACATAGAGGAGAGGCCTAAAGAGCTTGACGGAAGCCCTATGTGC  
 TGAATGGTGGGTGTGGTCCATATATTCCTTTAGGTCACTGTCTGCACTGTGGGAAGCTGGGAAGGGCCC  
 TAAGATGTCCTCATTTTGCAGATGGAGAAACCAAGTTTCAGAGGGGAGAAGTGAGCTGGTCAAAGTTCA  
 CAGAT

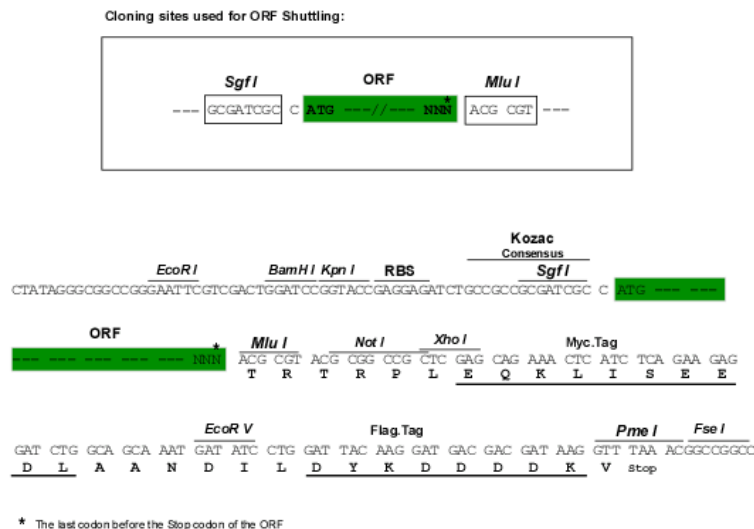
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236000 representing NM\_001291306  
 Red=Cloning site Green=Tags(s)  
 MPKAKGKTRRQKFGYSVNRKRLNRNARRKAAPRIECSHIRHAWDHAKSVRQNLAEMLAVDPNRAVPLRK  
 RKVKAMEVDIEERPKELVKPYVLNGGCGPYIPLGHCPALWEAGKPKMSSFCWRNQVSEGRSELVQSS  
 QS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_001291306

**ORF Size:** 426 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001291306.1](#), [NP\\_001278235.1](#)

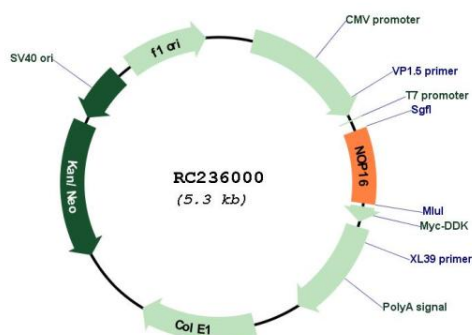
**RefSeq Size:** 1325 bp

**RefSeq ORF:** 429 bp

**Locus ID:** 51491

|                   |                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cytogenetics:     | 5q35.2                                                                                                                                                                                                                                                                                  |
| Protein Families: | Druggable Genome                                                                                                                                                                                                                                                                        |
| MW:               | 16.7 kDa                                                                                                                                                                                                                                                                                |
| Gene Summary:     | This gene encodes a protein that is localized to the nucleolus. Expression of this gene is induced by estrogens and Myc protein and is a marker of poor patient survival in breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015] |

## Product images:



Circular map for RC236000