

## Product datasheet for **RG208009**

### HSPC111 (NOP16) (NM\_016391) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC111 (NOP16) (NM_016391) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HSPC111
Synonyms:	HSPC111; HSPC185
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208009 representing NM_016391 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCAAGGCCAAGGGCAAACCCGGAGGCAGAAGTTTGTTACAGTGTCAACCGAAAGCGTCTGAACC  
GGAATGCTCGACGAAGGCAGCGCCGGATCGAATGCTCCACATCCGACATGCCTGGGACCACGCTAA  
ATCGGTACGGCAGAACCTGGCCGAGATGGGTTGGCTGTGGACCCCAACAGGGCGGTGCCCTCCGTAAG  
AGAAAGGTGAAGGCCATGGAGGTGGACATAGAGGAGAGGCCTAAAGAGCTTGTACGGAAGCCCTATGTGC  
TGAATGACCTGGAGGCAGAAGCCAGCCTTCCAGAAAAGAAAGGAAATACTCTGTCTCGGGACCTCATTGA  
CTATGTACGCTACATGGTAGAGAACACGGGAGGACTATAAGGCCATGGCCCGTGATGAGAAGAATTAC  
TATCAAGATACCCAAAACAGATTCGGAGTAAGATCAACGCTCTATAAACGCTTTTACCCAGCAGAGTGGC  
AAGACTTCCTCGATTCTTTCAGAGAAGGAAGATGGAGGTGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG208009 representing NM_016391 Red=Cloning site Green=Tags(s)
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MPKAKGKTRRQKFGYSVNRKRLNRNARRKAAPRIECSHIRHAWDHAKSVRQNLAEMLAVDPNRAVPLRK  
RKVKAMEVDIEERPKELVRKPYVLNDLEAEASLPEKKGNLSDRLIDYVRYMVENHGEDYKAMARDEKNY  
YQDTPKQIRSKINVYKRFYPAEWQDFLDSLQKRKMEVE

**TRTRPLE** - GFP Tag - V

Restriction Sites:	SgfI-MluI
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## Cloning Scheme:



ACCN: NM\_016391

ORF Size: 534 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\\_016391.8](#)

RefSeq Size: 1280 bp

RefSeq ORF: 537 bp

Locus ID: 51491

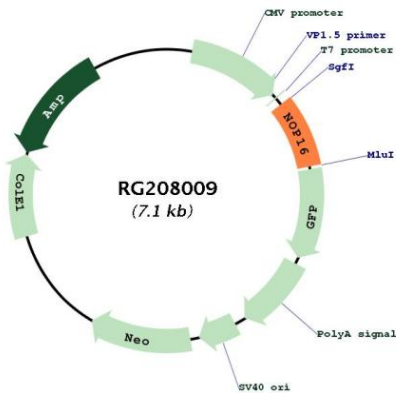
UniProt ID: [Q9Y3C1](#)

Cytogenetics: 5q35.2

Protein Families: Druggable Genome

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 RG208009