

Product datasheet for **SC126120**

HSPC111 (NOP16) (NM_016391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC111 (NOP16) (NM_016391) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPC111
Synonyms:	HSPC111; HSPC185
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016391 edited GAGAGACAGAGGCAGCGTGTGTTGAGCTGCTGGTGCGGTGGTCAGCGCGATGCCCAAGGCC AAGGGCAAAACCCGAGGCAGAAGTTTGGTTACAGTGTCAACCGAAAGCGTCTGAACCGG AATGCTCGACGGAAGGCAGCGCCGCGGATCGAATGCTCCACATCCGACATGCCTGGGAC CACGCTAAATCGGTACGGCAGAACCTGGCCGAGATGGGGTTGGCTGTGGACCCCAACAGG GCGGTGCCCTCCGTAAGAGAAAGGTGAAGGCCATGGAGGTGGACATAGAGGAGAGGCCT AAAGAGCTTGACGGAAGCCCTATGTGCTGAATGACCTGGAGGCAGAAGCCAGCCTTCCA GAAAAGAAAGGAAATACTCTGTCTCGGGACCTCATTGACTATGTACGCTACATGGTAGAG AACCACGGGGAGGACTATAAGGCCATGGCCCGTATGAGAAGAATTACTATCAAGATACC CCAAAACAGATTCGGAGTAAGATCAACGTCTATAAACGCTTTTACCCAGCAGAGTGGCAA GACTTCCTCGATTCTTTGCAGAAGAGGAAGATGGAGGTGGAGTGAAGTGGTTTACATCACA GCTGCCCCAGGCTGAGGCGTCCCCCGGACAGTGAAGCTGGAGCCAGGGTGAAGGCAAG GAGGTGCTGTGTGGCTCCAGAGGAGCTGGCCAGGTCCCATGGAATCAGAAGGTTACACAC ACACGTGCACACTCCCCGCTCTGGGGAAGGAAGTGTCTCAGAGGCTCCAATTTATATTC ATCTGGGGGTTACGGAAGGCCAGAACCTGCTGTTTTCAGGGTGGGTGATGTAATATA GTGTGTACATAATAAGCAAATATTTTACTTCTCTAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016391 unedited <pre> GGGGTTTCAGATTTTGTAAACGACTTACTATAGGGCGGCCGCGCATTTCAGATCTGGTACC GGTCCGGAATTCCTGGGATATCGTCGACCCACGCGTCCGAGAGACAGAGGCAGCGTGTT TGAGCTGCTGGTGCCTGGTTCAGCGCATGCCAAGGCCAAGGGCAAACCCGGAGGCAG AAGTTTGGTTACAGTGTCAACCGAAAGCGTCTGAACCGGAATGCTCGACGGAAGGCAGCG CCGCGGATCGAATGCTCCACATCCGACATGCCTGGGACCACGCTAAATCGGTACGGCAG AACCTGGCCGAGATGGGGTTGGCTGTGGACCCCAACAGGGCGGTGCCCTCCGTAAAGAGA AAGGTGAAGGCCATGGAGGTGGACATAGAGGAGAGGCCCTAAAGAGCTTGTACGGAAGCCC TATGTGCTGAATGACCTGGAGGCAGAAGCCAGCCTTCCAGAAAAGAAAGAAATACTCTG TCTCGGGACCTCATTGACTATGTACGCTACATGGTAGAGAACCACGGGGAGGACTATAAG GCCATGGCCCGTGATGAGAAGAATTACTATCAAGATACCCCAAAACAGATTCGGAGTAAG ATCAACGCTCTATAAAGCGTTTTACCCAGCAGAGTGGAAGACTTCCTCGATTCTTTGCAG AAGAGGAAGATGGAGGTGGAGTGACTGGTTTACATCACAGCTGCCCCAGGCTGANGCGTC CCCCGGACCAGTGAAGCTGGAGCCAGGGTGAAGGCAAGGAGGTGCTGTGTGGCTCCAGA GGAGCTGGGCCGGTCCCATGGAATCAGAANGNTACACACACAGTGCACACTCCCCGCTC TGGGGAAGGACTGNNTCTCAGAGCTCCAATTTATATTATCTGGGGTTCACGGAAGAG CCAGACCTGN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016391
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:	<u>NM_016391.2</u> , <u>NP_057475.1</u>
RefSeq Size:	1280 bp
RefSeq ORF:	537 bp
Locus ID:	51491
UniProt ID:	<u>Q9Y3C1</u>
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]

Transcript Variant: This variant (3) uses an alternate splice in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.