

## Product datasheet for SC123695

### NBR1 (BC009808) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NBR1 (BC009808) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBR1
Synonyms:	MIG19; mKIAA0049; neighbor of Brca1 gene 1; next to the Brca1; OTTMUSP00000002775; OTTMUSP00000002776
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC009808 edited

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CCGGTAGCGGACGGTCTTGCCATTGGCCTCCGGCAGGCGCCCCCGGGGGCGGGAAGCTG
CCTCACAGCATGGAACACAGGTTACTCTAAATGTGACTTTTTAAAAATGAAATTCAAAGC
TTTCTGGTTTCTGATCCAGAAAAACAACCTGGGCTGATATCGAAGCTATGGTAAAAGTT
TCATTTGATCTGAATACTATTCAAATAAAATACCTGGATGAGGAAAATGAAGAGGTATCC
ATCAACAGTCAAGGAGAATATGAAGAAGCGCTTAAGATGGCAGTTAAACAGGGAACCAA
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GGAGCAAAACGACTAGCTGCCAGGGCAGGGAAGAAGCCACTTGCACATTACTCTTCACTG
GTGAGAGTCTTGGGATCAGACATGAAGACCCAGAGGATCCTGCAGTGCAGTCGTTTCCA
CTTGTTCATGTGACACAGACCAGCCTCAAGACAAGCCCCAGACTGGTTCACAAGCTAC
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CATTGGCGTCTTCTCACAAGGCCAGCAATTTGGGCCTCGGGTCTGGTGCAGTATCATA
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GTAGATCCTTTCCCTCCGAAGAGAGCCCTGATAACATTGAAAAGGCATGATCAGCTCA  
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 AGACAGCTTGGTGAAGTGACTGAGCAGACAGAAGGGACAGCAGCCTGCATCCCACAGAAG  
 GCAAAAAATGTTGCCAGTGAGAGGGAGCTCTACATCCCATCTGTGGATCTTCTGACTGCC  
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 TTAATAGAGAAGCCAGGCTTGGGGCAGATAGAGGAAGAGAATGAAGGGGCAGGATTTAAA  
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 GAAGCAGAAGAAGACCTGAGTGGGACCCAGTTTGTGTGTGAGACAGTAATCCGATCCCTT  
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 AAGGCCCTGTTTGTCTGGCCACCAGTCACTGCACAGGCTCTGGGGCTTGCTGTCAATC  
 CTTGATCTGGCCAAAAATGCTTCTTCTTCTGAAAGCCCGAGTGAAGCATTCTCCTGGTTC  
 TAAGTACAGTTTATTAGTCCCGGTTTTCCCTTTTCTCCTTCAAGTACACAGATAAC  
 TAATCTAAAATAGGGCCTTCCCAGTCCGAACCGTTGGTATCAAGTACACAGGAGTGCCAT  
 AGCCTTGAATCTAATTACCTAGTACTTTGAATAAATCTGGAAAGACTAGTATGCTTGCAA  
 GATGATACAAATGTATAAAAATAAACATTTAAATTATAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC009808 unedited  
 GGGGACTTTTGTATTTGGCCACGTCTACTATAGGCGGACCGGAATTCGCACGAGCCGG  
 TAGCTTACGGTCTTGCATTGGCTCCGGCAGGCGCCCCCGGGGCGGGAAGCTGCCTC  
 ACAGCATGGAACACAGGTTACTCTAAATGTGACTTTTAAAAATGAAATCAAAGCTTTC  
 TGGTTTCTGATCCAGAAAATACAACTTGGGCTGATATCGAAGCTATGGTAAAAGTTTCAT  
 TTGATCTGAATACTATTCAAATAAAATACCTGGATGAGGAAAAATGAAGAGGTATCCATCA  
 ACAGTCAAGGAGAATATGAAGAAGCGCTTAAGATGGCAGTTAAACAGGGAAACCAACTGC  
 AGATGCAAGTCCACGAAGGGCACCATGTCGTTGATGAAGCCCCACCCCACTTGTAGGAG  
 CAAAACGACTAGCTGCCAGGGCAGGGAAGAAGCCACTTGCACATTACTCTTCACTGGTGA  
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 TTCCATGTGACACAGACCAGCCTCAAGACAAGCCCCAGACTGGTTCACAAGCTACCTGG  
 AGACGTTCAAGAGAACAAGTGGTTAACGAAACGGTTGAGAAGCTTGAACAGAAATTACATG  
 AAAAGCTTGTCTCCAGAACCATCCTTGGGTTCTTGTCCCTCAGAAGTCTCAATGCCTA  
 CTTCAGAAGAACATTGTTTTTGGCAGATAACCAGTTCAGCTGGCATATTGCTTGCAACAA  
 CTGCCAAAAGAANGATTGTTGGTGTCCGCTACCAGTGTAGCCTATGCCATCTACAATAT  
 CTGTGAAGATTGTGAAGCATGGCCATATGGCC

**Restriction Sites:**

Please inquire

**ACCN:**

BC009808

**Insert Size:**

3123 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC009808.2</a> , <a href="#">AAH09808.1</a>
<b>RefSeq Size:</b>	3114 bp
<b>Locus ID:</b>	4077
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	The protein encoded by this gene was originally identified as an ovarian tumor antigen monitored in ovarian cancer. The encoded protein contains a B-box/coiled-coil motif, which is present in many genes with transformation potential. It functions as a specific autophagy receptor for the selective autophagic degradation of peroxisomes by forming intracellular inclusions with ubiquitylated autophagic substrates. This gene is located on a region of chromosome 17q21.1 that is in close proximity to the BRCA1 tumor suppressor gene. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2014]