OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC104872

NBR2 (BC022065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBR2 (BC022065) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBR2
Synonyms:	NCRNA00192
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC022065, the custom clone sequence may differ by one or more nucleotides

AGCGGGGTTGCGGCTTATTGCATCACAGTAATTGCTGTACGAAGGTCAGAATCGCTACCTATTGTCCAAA
GCAGTCGTAAGAAGAGGTCCCAATCCCCCACTCTTTCCGCCCTAATGGAGGTCTCCAGTTTCGGTAAAAG
CTTCATTTGATCTGAATAGTATTAAAATAAAATACCTGGATGAGGAAGATGAAGAGAGATGAAGTCTCGC
TCTGTCACCAGGCTGGAGTGCAGTGGCGTGATCTTGGCTCACTGCAACCTCTGCCTCCGGGTTCAAGCAA
TTCTCCTGCTTCAGCCTCCCGAGTAGCTTGGGACTACAGACTAGAGACGGGGTTTCACTGTGTTAGCCAG
GATGGTCTCGATCCCCTGACATCGTGATCCGCTGTCCTCGGTCTCCCAAAGTGCTGGGATTACAGGCGTG
AGCCACCGCACCTGGTCGATTAACCTCTTTTAAGCCTGTTTTCTTATCCATACAATGGAGATAATGGCAG
CACCCACTGCTTGACTGGGCAACAAGAGCGAAACTCCATCTCAAAAGGAAAAAAAAGCAAAAGAGAAAAA
ACCCAAACAAACAAAACCCCTGAACTTCCCTGCGGGCACATTTTCTCTGGCAGCCTTTTTCAATGAGAGC
TATGTTTTCTCCGATACTATATGGCCTGCGGACCGCTCAGCTTTCATTCCAGTGAAAACATTCCAGAACA
AACTCCAGGTGCTGGAAGCCCAGGAAGCACACATCAAGGCTCCCTTGCCAGCAGGGTGCTGCCAATAAAA
GGTAGTCACGTGGAATTTGGAATGTGGAAAGGAGGTAGAAGTCATCCTTTCCTCCCCTGTAGCAGCAGGC
GTGCAGGCTCTGGTGGTCAGCTGGACTCCATACTCCCCCACCAGTCACCAGCCTGGGGACCGTGGGGCTG
CAAGGACCTCAGCAGCGGTGTCCCAAGTTTCCTGACTTCTTCCATCCTCTGGAAATCAGCTGTGCCGGAC
AGAGGAATGGTTACAAGGCTTTGAGCCTAACAGTGCTGGCTTAAAACCGTAACTTGTCGTTTTGGATGTG
TGGCCTTGGACACTTGGGCAGGTCACCTACGTCCTTCTAGCCCTGGCTCAGTCCTTTGGATGTTAATCCA
CCTGGGCTGGTGCACCTAAATAATAAAGATCCTCCTCAATCCCAAAAAAAAAAAAAAAA

View online »

5' Read Nucleotide Sequence:

```
>OriGene 5' read for BC022065 unedited
AGAGCCAGAATTGTATACGACTCACTATAGGCGGCACGCGAATTCGCACCAGCCTGCCCT
CTACCTCTACTCTTCCAGTTGCGGCTTATTGCATCACAGTAATTGCTGTACGAAGGTCAG
AATCGCTACCTATTGTCCAAAGCAGTCGTAAGAAGAGGTCCCAATCCCCCACTCTTTCCG
CCCTAATGGAGGTCTCCAGTTTCGGTAAAAGTTTCATTTGATCTGAATAGTATTAAAATA
AAATACCTGGATGAGGAAGATGAAGAGAGACGAAGTCTCGCTCTGTCACCAGGCTGGAGT
GCAGTGGCGTGATCTTGGCTCACTGCAACCTCTGCCTCCGGGTTCAAGCAATTCTCCTGC
TTCAGCCTCCCGAGTAGCTTGGGACTACAGACGTGCGCAACCATGCCCAGCTAATTCTTT
TTTTCTTTATTTTATTTTATTTTATTTTTTGAGATGGAGTCTCGCTCTGTCGCCCAGGCT
GGAGTGTAGTGGCGCGATCTTGGCTCACTGCAAGCTCTGCCTCCCGGGTTCACGCCATTC
TCCTGCCTCAGCTTCCTGAGTAGCTTGGACTACAGGCGCCCACCAGCACGCCCAGCTAAT
TTTTTTTTTTCTTTGTATTTTTAGTAGAGACGGGGTTTCACTGTGTTAGCCAGGATGGTC
TCGATCCCCTGACATCGTGATCCGCTGTCCTCGGTCTCCCAAAGTGCTGGGATTACAGGC
GTGAGCCACCGCACCTGGTCGATTAACCTCTTTTAAGCCTGTTTTCTCATCCATACAATG
GAGATTATGGCAGCACCCACTGGCTGNTAAGGAATATTANGTGAACACAGGTGCCTATGT
GGGTTTCCTCCTTTTTCATAAATGGTTATTTCCCTTATCCCTCATCTCCTAAGTTAGTCC
CA
```

Restriction Sites: NotI-NotI

ACCN: BC022065

Insert Size: 2500 bp

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: BC022065.1

RefSeq Size: 1179 bp

RefSeq ORF: 1179 bp

Locus ID: 10230

Cytogenetics: 17q21.31

Gene Summary: This gene was identified by its close proximity on chromosome 17 to tumor suppressor gene BRCA1. Experimental evidence indicates that the two genes share a bi-directional promoter. Transcription for either gene is controlled individually by distinct transcriptional repressor factors. A short (112 amino acid) open reading frame is observed which includes a region derived from a LINE1 element. A strong Kozak signal is not observed for the putative ORF and the stop codon is more than 55 nucleotides upstream of the last splice site for the transcript, suggesting that the transcript is subject to nonsense-mediated decay. Therefore, this gene does not appear to encode a protein. Glucose starvation induces the expression of this gene and the long non-coding RNA transcribed by it functions with AMP-activated protein kinase in mediating the energy stress response. [provided by RefSeq, Aug 2016]