

Product datasheet for **RG239654**

NBR1 (NM_001291572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBR1 (NM_001291572) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NBR1
Synonyms:	1A1-3B; IA13B; M17S2; MIG19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239654 representing NM_001291572.
 Blue=ORF Red=Cloning site Green=Tag(s)

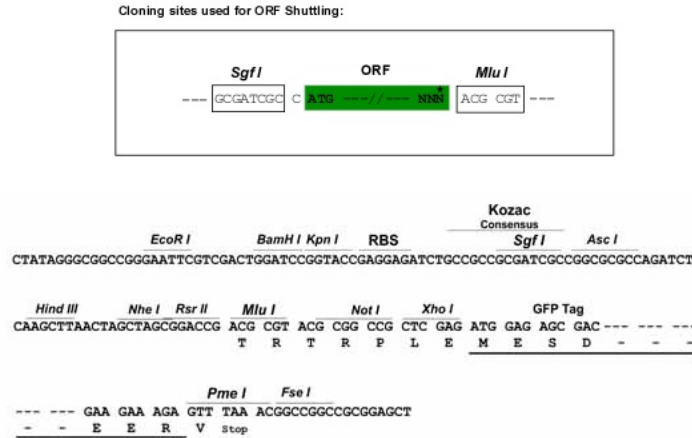
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TGTGTACATCATGTTTCCCCAGGAGTGGATTTACCAGTTACCATACCAGAAGTTTCTCAGTCCCT
GATCAGATCAGAGGAGCCAATAATTTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239654
 Blue=ORF Red=Cloning site Green=Tag(s)

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MEPQVTLNVTFKNEIQSFLVSDPENTTWADIEAMVSINSQGEYEEALKMAVKQGNQLQMQVHEGHHVVD
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TFREQVNETVEKLEQKLHEKLVLQNP SLGSCPSEVSMPTSEETLFLPENQFSWHIACNNCQRRI VGV
YQCSLCP SYNICEDCEAGPYGHDTNHVLLKLRPVVGSSEPFCHSKYSTPRLPAALEQVRLQKQVDKNF
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Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001291572

ORF Size: 2511 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).

RefSeq: [NM_001291572.2](#)

RefSeq Size: 4647 bp

RefSeq ORF: 2514 bp

Locus ID: 4077

UniProt ID: [Q14596](#)

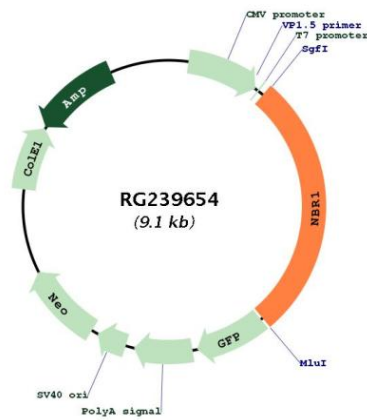
Cytogenetics: 17q21.31

Protein Families: Druggable Genome

MW: 93.4 kDa

Gene Summary: 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]

Product images:



Circular map for RG239654