

Product datasheet for **SC337548**

NBR1 (NM_001291572) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBR1 (NM_001291572) Human Untagged Clone
Tag:	Tag Free
Symbol:	NBR1
Synonyms:	1A1-3B; IAI3B; M17S2; MIG19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001291572, the custom clone sequence may differ by one or more nucleotides

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ATGGAACCACAGGTTACTCTAAATGTGACTTTTAAAAATGAAATTCAAAGCTTTCTGGTTTCTGATCCAG
AAAATACAACCTTGGGCTGATATCGAAGCTATGGTATCCATCAACAGTCAAGGAGAATATGAAGAAGCGCT
TAAGATGGCAGTTAAACAGGGAACCAACTGCAGATGCAAGTCCACGAAGGGCACCATTGCGTTGATGAA
GCCCCACCCCAGTTGTAGGAGCAAAACGACTAGCTGCCAGGGCAGGGAAGAAGCCACTTGACATTACT
CTTCACTGGTGAGAGTCTTGGGATCAGACATGAAGACCCAGAGGATCCTGCAGTGCAGTCGTTTCCACT
TGTTCCATGTGACACAGACCAGCCTCAAGACAAGCCCCAGACTGGTTCACAAGTACCTGGAGACGTTT
AGAGAACAAGTGGTTAACGAAACGGTTGAGAAGCTTGAACAGAAATTACATGAAAAGCTTGCTCCAGA
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TCGTCTTCTGCTGCTCTGGAACAAGTCAGGCTCCAGAAACAGGTTGATAAGAATTTCTTAAAGCAGAA
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TCCATAGGAAAATCACCTGTGGAATCAATCCATGGACTCCAGAGCCCCAAGTCTCCTTAGGCCGACC
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CCTGTGGATGTGACTCCCTGCATGTCTCCTTGCCACATGACAGTCTTTAATAGAGAAGCCAGGCTTGG
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ACAGTAATCCGATCCCTTACCTTGGATGCTGCCCCAGACCACAACCTCCTTGCAGACAGAAGTCCCTGC
AGATGACATTTGCCTTGCTGAAGGACCACTTGGAAATGAGAAGGAGGAGATTATCCATATCGCTGAGGA
AGAAGCTGTGATGGAGGAGGAGGAGGATGAGGAGGATGAGGAGGAGGAGGATGAGCTCAAAGATGAAGTT
CAAAGTCAGTCTCTGCTTCTCAGAGGATTACATCATCATCCTGCCTGAGTGTCTTATACAGCCGCC
CCCTGGGGGATTCTATGTACAGCTCTGCGCTCTCACAGCCAGGCTGGAGCGAGGTGCTGAAGGCAAGCC
TGGGGTTGAGGCTGGGCAGGAACCAAGCTGAGGCTGGGGAAGACTCCCTGGAGGGGAGAACCAGCCACAG
GAGCACAGCATAAGTGACATCCTCACGACCTCACAGACTCTGAAACAGTGCCCCAATCCCAGAGGTAG
TGGAGCTTCCACCGTCACTGCCAGGAGCTCTCCTTGTGTACATCATGTTTCCCCAGGAGTGGATTT
ACCAGTTACCATACCAGAAGTTTCTTCAGTCCCTGATCAGATCAGAGGAGCCAATAATTTCTGA

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Restriction Sites: SgfI-MluI

ACCN: NM_001291572

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:	<ol style="list-style-type: none"> 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_001291572.1, NP_001278501.1</u>
RefSeq Size:	4647 bp
RefSeq ORF:	2514 bp
Locus ID:	4077
UniProt ID:	<u>Q14596</u>
Cytogenetics:	17q21.31
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) lacks an alternate in-frame exon in the 5' coding region, and also lacks two alternate exons that result in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (c) has a distinct C-terminus and is shorter than isoform a.</p>