

## Product datasheet for **MC229151**

### **Nbr1 (NM\_001252223) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nbr1 (NM_001252223) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nbr1
Synonyms:	mKIAA0049
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC229151 representing NM\_001252223  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACCACAGTTACTCTAAATGTGACTTTTTAAAAATGAAACTCAAAGCTTTCTGGTTCCGGATCCAG  
 AAAATACAACCTGGGCTGATGTTGAAGCTATGGTAAAAGTTTCATTTGATCTGAATACTATCCAGATAAA  
 ATACCTGGATGAGGAGAACGAGGAGATATCCATCAATAGTCAAGGTGAATATGAAGAAGCACTTAAGATG  
 GCTAACATTAAGCAAGGAAATCAGCTACAGATGCAAGTCCACGAAGGGTACCATGTTGTAGATGAAGCAC  
 TCCCCAAAAATGTGGTAGAAAACCAAGCGGCTGCCAGGACAGGGAAGAAGCCACTGCACATTATCTTC  
 ACTGGTGAGAGTCTTGGGATCAGACATGAAGACCACAGAGGAGCCTGCACCAGAGCAATGTTCTTCTGCT  
 CCTTGTGACACAGACCAGCCTCAAGACAAGCCCCAGATTGGTTTACAAGCTACCTGGAGATGTTCCGAG  
 AACAGTGGTTAAGGAAACGGTGGAGAACTTGAACAGAGTTGCAGGAGAAGCTTGTCTCCAGAAGCC  
 ACTCTGAGTTCTCACACAGAAGTCTCAATGCCTATTTAGAGGAAACCCTGTTTTTCCAGAGAAC  
 CAGTTACAGCTGGCATATTGCTTGTAGCCACTGCCAGAAGAGGATCGTTGGAGTGCCTACCAAGTGTAGCC  
 TATGCCCATCCTACAACATTTGTGAAGATTGTGAAGCTGGACCATACACCATGACACTAACCATGTTTT  
 GTTAAAGCTGCGGAGACCTGTTGTGATATCCTCTGAGCCATTTTTCTACTCCAAGTATTCGCTCCTCGT  
 CTGCCTGCTGCTTTGGAACAAGTCAAGGCTCCAAAAACAGGTGGACAAGAAGTTTGTGAAAGCAGAAAAGC  
 AAAGGTTGCGGGCTGAGAAGAAACAGCGGAAGGCAGAGGTCAAAGAGCTTAAAAAGCAGCTTAAACTCCA  
 CAGGAAGATTCATTTATGGAATCAATCCATGGACTTCAGAGTCCAAGTCCCCTTTGGGCCGACCTGAG  
 AGCTTGTGCAGTCTAACCCCTGATGCTTCTTTGAGCCCTGTGCCAGTTATGCCAACACTCAGTG  
 CAGCATTTTGGATGAGAATTTGCCTGATGGGACTCATCTTCAGCCAGGAACCAAGTTTATTAACACTG  
 GAGGATGAAAAACACGGGGAATGTGAAGTGGAAACACAGACACAAAAGCTCAAGTTCATGTGGGAAACTTG  
 ACTCTGGCTTCTACAGAGAAGAAAGATGTTTTGGTTCCCTGCTTGAAGGCTGGCCACGTTGGGGTCTGT  
 CTGTGGAGTTCATCGCTCCAACCTTGGAGGGGACATACACTTCGCACTGGCGTCTCTCACAAAGGCCA  
 GCAGTTTGGCCCTCGGGTTTGGTGCAGTATCATAGTGGATCCTTTTCTTCTCTGAGAGCCCTGATAAT  
 GTTGAAGGGGACAGGATCAGCTCAAGCAAAGCTGACGATTTCTCCTGTGAGCAAGAGGAAGCTTTTCTTC  
 TAGCTGAAGAAGAGATTCATTGGGTGAGGTGACAAAGCAGACAGAAGGGACAGGAGCCAGTGCCTCACA  
 GAAGACAAGACGCGCTGCCAGTAAAGGGAGCTGTACATTCATCTGTGGACCTCCTGACTGCCAGGAC  
 CTGCTGTCTTTGAGCTGCTGGATATAACATTGTCCAAGAATTGGAGAGAGTGCACACAAACCCCTG  
 TGGATATGACTCCCTGCATGTCTCTCTGCCACATGACAGTCTTTAATAGAGAAGCCAGGCTTGGGGCA  
 GATACAGGAAGAGAGTGAAGGGGCGGGATTTAAAGCACCTCCTGATTCCACTGTATCAGCAAAGAGGAAA  
 GCTGAGACCCCTGCTTCGGTCAAGAAACAGAAGAAGACCTGAGTGGGACCCAATTTGTATGTGAGACTG  
 TAATTCGATCCCTACCTTGGATGCTGCTCCAGACCACAACCCCTCCTTGCAGGCAGAGGTCCCACAGAG  
 GGAATTACAGCTGATTTCCACCGAGGGACAGCAGCCACTTGTGCTGCCTGGATTCTGCAGAAAGGATTCT  
 TCCTTGAATTTGCCTTGCTGAAGAAGGACCGGTGGAGATGAGAGGGAGGAGATTGCCACATTGTTG  
 AGGAAGAAGTCTTGGGAAGAGGAGGAAGTCCAAGATGAAGAAGTCAAAGTCAAGTCTTCTGCTTCCTC  
 TGAAGATTATATCATCATCCTTCTGAGTGTCTTTGATACCAGCCGCCCTGGGGGACTCCATGTACAGC  
 TCTGCGTCTCCAGCCAGGCCCTGGAGCGAGGGCTGAAGGCGAACCTGGGATCGAGTCTGGGCTGGAAAC  
 CAACTGAGGCTAGAGAGAGACTCCAGAGAGGGAGAGCCAGCCACAGGAGCAGAGCATCAGCGACATCCT  
 CACAACCTCACAGCCTCTGGACACGGTGCCTCTAGTCCCCGAGGTGGCAGGACTTCCAGCAGCATTGTCC  
 AGGAGCGCCCCTTGTGGACAGTGTGAGTCAACAGGAGTGGATTACCAGGAGTGGATTACCAGCTACCA  
 TGCACGAAGTTCCCCAGCCCCTGATGACATCAGAGGAGAGCCCAGAGGCTCAACAGGACTCGAAAACAG  
 CAGACAGAGGAGCTGTGACCACTCAAGCCATCGTTTCTGAAGATCAGACCACAGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001252223

<b>Insert Size:</b>	2721 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001252223.1, NP_001239152.1</u>
<b>RefSeq Size:</b>	4576 bp
<b>RefSeq ORF:</b>	2721 bp
<b>Locus ID:</b>	17966
<b>Cytogenetics:</b>	11 65.36 cM
<b>Gene Summary:</b>	<p>Acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks an exon in the 3' coding region, which results in frame-shift and early translation termination, compared to variant 1. The resulting isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.</p>