

Product datasheet for **MC229207**

Nbr1 (NM_001252222) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nbr1 (NM_001252222) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nbr1
Synonyms:	mKIAA0049
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229207 representing NM_001252222
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACACAGGTTACTCTAAATGTGACTTTTTAAAAATGAAACTCAAAGCTTTCTGGTTCCGATCCAG
 AAAATACAACCTGGGCTGATGTTGAAGCTATGGTAAAAGTTTCATTTGATCTGAATACTATCCAGATAAA
 ATACCTGGATGAGGAGAACGAGGAGATATCCATCAATAGTCAAGGTGAATATGAAGAAGCACTTAAGATG
 GCTAACATTAAGCAAGGAAATCAGCTACAGATGCAAGTCCACGAAGGGTACCATGTTGTAGATGAAGCAC
 TCCCCAAAAATGTGGTAGAAAACCAAGCGGCTGCCAGGACAGGGAAGAAGCCACTGCACATTATCTTC
 ACTGGTGAGAGTCTTGGGATCAGACATGAAGACCACAGAGGAGCCTGCACCAGAGCAATGTTCTTCTGCT
 CCTTGTGACACAGACCAGCCTCAAGACAAGCCCCAGATTGGTTTACAAGCTACCTGGAGATGTTCCGAG
 AACAGTGGTTAAGGAAACGGTGGAGAACTTGAACAGAGTTGCAGGAGAAGCTTGTCTCCAGAAGCC
 ACTCTGAGTTCTCACCCACAGAAGTCTCAATGCCTATTTAGAGGAAACCCTGTTTTTCCAGAGAAC
 CAGTTACGCTGGCATATTGCTTGTAGCCACTGCCAGAAGAGGATCGTTGGAGTGCCTACCAAGTGTAGCC
 TATGCCCATCCTACAACATTTGTGAAGATTGTGAAGCTGGACCATACACCATGACACTAACCATGTTTT
 GTTAAAGCTGCGGAGACCTGTTGTGATATCCTCTGAGCCATTTTTCTACTCCAAGTATTCGCTCCTCGT
 CTGCCTGCTGCTTTGGAACAAGTCAGGCTCCAAAAACAGGTGGACAAGAAGTTTGTGAAAGCAGAAAAAGC
 AAAGTTGCGGGCTGAGAAGAACAGCGGAAGGCAGAGGTCAAAGAGCTTAAAAAGCAGCTTAAACTCCA
 CAGGAAGATTCATTTATGGAATCAATCCATGGACTTCAGAGTCCAAGTCCCCTTTGGGCCGACCTGAG
 AGCTTGTGCAGTCTAACACCTGATGCTTCTTTGAGCCCTGTGCCAGTTATGCCAACACTCAGTG
 CAGCATTTTGGATGAGAATTTGCCTGATGGGACTCATCTTCAGCCAGGAACCAAGTTTATTAACACTG
 GAGGATGAAAAACACGGGAATGTGAAGTGAACACAGACACAAAAGCTCAAGTTCATGTGGGAAACTTG
 ACTCTGGCTTCTACAGAGAAGAAAGATGTTTTGGTTCCCTGCTTGAAGGCTGGCCACGTTGGGGTCTGT
 CTGTGGAGTTCATCGCTCCAACCTTGGAGGGGACATACACTTCGCACTGGCGTCTCTCACAAAGGCCA
 GCAGTTTGGCCCTCGGGTTTGGTGCAGTATCATAGTGGATCCTTTTCTCTCTGAGAGCCCTGATAAT
 GTTGAAGGGGACAGGATCAGCTCAAGCAAAGCTGACGATTTCTCTGTGAGCAAGAGGAAGCTTTTCTTC
 TAGCTGAAGAAGAGATTCATTGGGTGAGGTGACAAAGCAGACAGAAGGGACAGGAGCCAGTGCCTCACA
 GAAGACAAGACGCGCTGCCAGTGAAGGGAGCTGTACATTCATCTGTGGACCTCCTGACTGCCAGGAC
 CTGCTGTCTTTGAGCTGCTGGATATAACATTGTCCAAGAATTGGAGAGAGTGCACACAAACCCCTG
 TGGATTCAGTATCAGCAAAGAGGAAAGCTGAGACCCCTGCTTCGGTGAAGAAACAGAAAGAACCT
 GAGTGGGACCCAATTTGTATGTGAGACTGTAATTCGATCCCTTACCTTGATGCTGCTCCAGACCACAAC
 CCTCCTTGAGGACAGAGGTCACACAGAGGGAATTACAGCTGTATTCCACCGAGGGACAGCAGCCACTTG
 TGCTGCCTGGATTCTGCAGAAAGGATTCTTCTTGAATTTGCCTTGCCTGAAGAAGGACCGCGTGGAGA
 TGAGAGGGAGGAGATTGTCCACATTGTTGAGGAAGAAGTCTTGAAGAAGAGGAGGAAAGTCCAAGATGAA
 GAAGTCCAAAGTCAGTCTTCTGCTTCTCTGAAGATTATATCATCATCCTTCTGAGTGTCTTGTACCA
 GCCGCCCTGGGGACTCCATGTACAGCTCTGCGCTCTCCAGCCAGGCTGGAGCGAGGGGCTGAAGG
 CGAACCTGGGATCGAGTCTGGGCTGGAACCAACTGAGGCTAGAGAGAGACTCCAGAGAGGAGAGCCAG
 CCACAGGAGCAGAGCATCAGCGACATCCTCACAACTCACAGCCTCTGGACACGGTGCCTCTAGTCCCCG
 AGGTGGCAGGACTTCCAGCAGCATTGTCCAGGAGCGCCCTTGTGGACAGTGTGAGTTCATCAGGAGTGA
 TTCACCAGGAGTGGATTCACCAGCTACCATGCACGAAGTTCACCCAGCCCTGATGACATCAGAGGAGAG
 CCCAGAGGCTCAACAGGACTCGCAAACAGCAGACAGAGGAGCTGTGACCACTCAAGGCACCACAATGGGA
 GCAGCATTGCTGGAGGACTGGTGAAGGGGGCTTTGTCTGTTGCTGCCTCTGCGTACAAGGCCCTGTTTT
 TGGGCCACAGTCACTGCACAGCCATCGTTTCTGAAGATCAGACCACAGCCCTGATGGCCATCTCTTT
 GAAATGGGATTCTGCGACAGGACGCTGAACCTAAGGCTGCTGAGAAAACACAATTACAATATCCTGCAGG
 TTGTGACAGAGCTCCTTCAAGTGAATAACAACGACTGGTACAGCCACCGCTAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001252222
Insert Size:	2856 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252222.1, NP_001239151.1</u>
RefSeq Size:	4571 bp
RefSeq ORF:	2856 bp
Locus ID:	17966
Cytogenetics:	11 65.36 cM
Gene Summary:	<p>Acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to isoform 1.</p>