

Product datasheet for MR231462

Nbr1 (NM_001252220) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nbr1 (NM_001252220) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nbr1
Synonyms:	mKIAA0049
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231462 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCACAGGTTACTCTAAATGTGACTTTTTAAAAATGAAACTCAAAGCTTTCTGGTTTCGGATCCAG
AAAATACAACCTGGGCTGATGTTGAAGCTATGGTAAAAGTTTCATTTGATCTGAATACTATCCAGATAAA
ATACCTGGATGAGGAGAACGAGGAGATATCCATCAATAGTCAAGGTGAATATGAAGAAGCACTTAAGATG
GCTAACATTAAGCAAGGAAATCAGCTACAGATGCAAGTCCACGAAGGGTACCATGTTGTAGATGAAGCAC
TCCCCAAAAATGTGGTAGAAAACCAAGCGCTGCCAGGACAGGGAAGAAGCCACTTGCACATTATCTTC
ACTGGTGAGAGTCTTGGGATCAGACATGAAGACCACAGAGGAGCCTGCACAGAGCAATGTTCTTCTGCT
CCTTGTGACACAGACCAGCCTCAAGACAAGCCCCAGATTGGTTTACAAGCTACCTGGAGATGTTCCGAG
AACAAGTGGTTAAGGAAACGGTGGAGAACTTGAACAGAGGTTGCAGGAGAAGCTTGTCTCCAGAAAGCC
ACTCCTGAGTTCCCTACCCACAGAAGTCTCAATGCCTATTTAGAGGAAACCCCTGTTTTTCCAGAGAAAC
CAGTTCAGCTGGCATATTGCTTGTAGCCACTGCCAGAAGAGGATCGTTGGAGTGCCTACCAAGTGTAGCC
TATGCCCATCCTACAACATTTGTGAAGATTGTGAAGCTGGACCATACACCCATGACACTAACCATGTTTT
GTTAAAGCTGCGGAGACCTGTTGTGATATCCTCTGAGCCATTTTTCTACTCCAAGTATCCGCTCCTCGT
CTGCCCTGCTGCTTTGGAACAAGTCAGGCTCCAAAAACAGGTGGACAAGAAGCTTTGTGAAAGCAGAAAAGC
AAAGTTGCGGGCTGAGAAGAAACAGCGGAAGGCAGAGGTCAAAGAGCTTAAAAAGCAGCTTAAACTCCA
CAGGAAGATTCATTTATGGAATTAATCCATGGACTTCAGAGTCCCAAGTCCCCTTTGGGCCGACCTGAG
AGCTTGTGTCAGTCTAACACCCTGATGCTTCCCTTGCAGCCCTGTGCCCCAGTTATGCCAACACTCAGTG
CAGCATTTGTGGATGAGAATTTGCCTGATGGGACTCATCTTCAGCCAGGAACCAAGTTTATTAAACTG
GAGGATGAAAAACACGGGAATGTGAAGTGAACACAGACACAAAGCTCAAGTTCATGTGGGAAACTTG
ACTCTGGCTTCTACAGAGAAGAAAGATGTTTTGGTTCCCTGCTTGAAGGCTGGCCACGTTGGGGTCTGT
CTGTGGAGTTCATCGCTCAACCTTGAGGGGACATACACTTCGACTGGCGTCTCTCACAAAGGCCA
GCAGTTTGGCCCTCGGGTTTGGTGCAGTATCATAGTGGATCCTTTTCTTCTCTGAGAGCCCTGATAAT



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GTTGAAGGGGACAGGATCAGCTCAAGCAAAGCTGACGATTTCTCCTGTGAGCAAGAGGAAGCTTTTCTTC
 TAGCTGAAGAAGAGATTCATTGGGTGAGGTGACAAAGCAGACAGAAGGGACAGGAGCCAGTGCCTCACA
 GAAGACAAGACGCGCTGCCAGTGAAGGGAGCTGTACATTCATCTGTGGACCTCCTGACTGCCAGGAC
 CTGCTGTCTTTGAGCTGCTGGATATAAACATTGTCCAAGAATTGGAGAGAGTGCCACACAACACCCCTG
 TGGATATGACTCCCTGCATGTCTCTCTGCCACATGACAGTCTTTAATAGAGAAGCCAGGCTTGGGGCA
 GATACAGGAAGAGAGTGAAGGGGCGGGATTTAAGCACCTCCTGATTCCACTGTATCAGCAAAGAGGAAA
 GCTGACAGCCCTGCTTCGGTCAAGAAACAGAAGAAGACCTGAGTGGGACCCAATTTGTATGTGAGACTG
 TAATTCGATCCCTTACCTTGGATGCTGCTCCAGACCACAACCCTCCTTGCAGGCAGAGGTCACACAGAG
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 AGGAAGAAGTCGTTGAGGAAGAGGAGGAAGTCCAAGATGAAGAAGTCCAAGTCAGTCTTCTGCTTCCTC
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 CAACTGAGGCTAGAGAGAGACTCCAGAGAGGGAGAGCCAGCCACAGGAGCAGAGCATCAGCGACATCCT
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 TGCACGAAGTTCCCCAGCCCTGATGACATCAGAGGAGAGCCCAGAGGCTCAACAGGACTCGCAAACAG
 CAGACAGAGGAGCTGTGACCACTCAAGGCACCACAATGGGAGCAGCATTGCTGGAGGACTGGTGAAGGGG
 GCTTTGTCTGTTGCTGCCTCTGCGTACAAGGCCCTGTTTTCTGGGCCACCAGTCACTGCACAGCCCATCG
 TTTCTGAAGATCAGACCAGCCCTGATGGCCATCTCTTTGAAATGGGATTCTGCGACAGGCAGCTGAA
 CCTAAGGCTGCTGAGAAAACACAATTACAATATCTGCAGGTTGTGACAGAGCTCCTTCAAGTGAATAAC
 AACGACTGGTACAGCCACCGCTAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence:

>MR231462 protein sequence
 Red=Cloning site Green=Tags(s)

MEPQVTLNVTFKNETQSFLVSDPENTTWADVEAMVKVSFDLNTIQIKYLDEENEEISINSQGEYEEALKM
 ANIKQGNQLQMQVHEGYHVDEALPKNVVENQAAARTGKKPLAHYSSLVRVLGSDMKTTEEPAPEQCSSA
 PCDTDQPQDKPPDWFTSYLEMFREQVVKETVEKLEQRLQEKLVLQKPLLSSSPTVEVSMPISEETLFLPEN
 QFSWHIACSHCQKRIVGVRYQCSLCPYSNICEDEAGPYTHDTNHVLLKLRPVVISSEPFYKYSAPR
 LPAALEQVRLQKQVDKNFVKAQKQLRAEKKQRKAEVKELKKQLKLRKIHWNLSIHGLQSPKSPGRPE
 SLLQSNTLMLPLQPCAPVMPTLSAAFVDENLPDGTHLQPGTKFIKHWRMKNNGNVKWNNTDKLFMWGNL
 TLASTEKKDVLVPCLKAGHVGVVSEFIAPTLEGTYSHWRLSHKGOQFGPRVWCSIIVDPFPPSESPDN
 VEGDRISSSKADDFSCQEAEFLLAEEEIPLGEVTKQTEGTGASASQKTRRAASERELYIPVDLLTAQD
 LLSFELLDINIVQELERVPHTNPVDMTPCMSPLPHDSPLIEKPGLGQIQEESEGAGFKAPPDSTVSAKRK
 AETPASVEETEEDLSGTQFVCEVIRSLTLDAAPDHNPPCRQRSPQRELQLYSTEQQPLVLPGFCRKDS
 SLKFALPEEGPRDEREEIVHIVVEEEVVEEEVQDEEVQSQSSASEDYIILPECFDTSRPLGDSMYS
 SALSQPLERGAEGEPGIESGLEPTEARERLPERESQPQEQSISDILTTSQPLDTVPLVPEVAGLPAALS
 RSAPCGQCESSGVDSPGVDSPATMHEVPPAPDDIRGEPGSGTGLANSRQRSCDHSRHNGSSIAAGLVKG
 ALSVAASAYKALFSGPPVTAQPIVSEDQTTALMAHLFEMGFCDRQLNLRLLRKHNYNILQVVTELLQVNN
 NDWYSHRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252220

ORF Size: 2967 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).

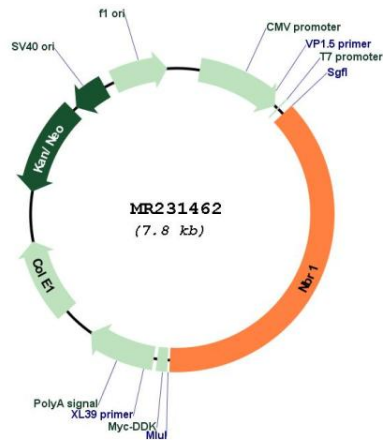
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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: [NM_001252220.1](#), [NP_001239149.1](#)

RefSeq Size: 4866 bp

RefSeq ORF:	2967 bp
Locus ID:	17966
UniProt ID:	<u>P97432</u>
Cytogenetics:	11 65.36 cM
MW:	110 kDa
Gene Summary:	Acts probably as a receptor for selective autophagosomal degradation of ubiquitinated targets.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231462