

Product datasheet for **MR215959**

Nup88 (NM_001083331) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup88 (NM_001083331) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup88
Synonyms:	Nup84; Prei2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215959 representing NM_001083331
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTGCCGTGGGCCCCTTGGGCGATGGGAGCTGTGGCAGAGCTGGTTCCTAACACGTCGTGT
TCTTGCAGCTCCGCGAGGGCGTAAGAAAACAGAGTCCAGCCGAAGCGGAGAAGCCAGCGGCTTCGACTTC
ACCCTCGTGCCCGTCTCTGCCGCCGCAATTTGCCGACGAGAAAACCTGGTCTTCGGCCTCGGAGGGAACTG
TTTCTGTGGGACGCAGAAGGCAGCGCCTTCTTGGTGGTTCGCCTTCGAGGCCCGAGCGGTGGTGGCGTGG
AGCCTCCTCTCTCCAGTATCAGAGATTACTCTGCATTAATCCACCCTTGTGGAAATCCATCAAGTCTT
GTTGAGTCCAACCAACATCATGTAGCACTTATCGGAAGTAAAGGACTTATGGCATTAGAATTACCTCAG
AGGTGGGGAAGGACTCTGAATTTGAAGGTGAAAAGCAACTGTGAATTTAGCACCATCCCGATTGCTG
AGAGATTTTTACCAGCTCTACCTCTGACTCTGAAGCATGCTGCATGGTATCCAAGTGAAGTCTGGA
TCCCCACATAGTCTGTTGACATCAGACAACGTGATAAGAATTTATTCTCTCCGTGAGCCCCAGACACC
ACTAAGGTGATTGACTTTCAGAAGCAGAAGAGGAAAATTAATACTCAATAAAGGAAGAGCATATACAG
CGTCTCTAGGAGAGACTGCAAGTGGCGTTTACTTCGGGCCCTGGTAACCGTCTCAAAGAATATATTTGA
ACAGAAAGACAGAGATGTGGTGGCGTATCCACTGTACATCCTGTATGAGAATGGGGAGACCTTCCTTACC
TACGTGAGCCTGTTACACAGCCCAGGGAATATTGGGAAGCTGTTGGGCCACTGCCTATGCATCCTGCAG
CTGAAGATAACTACGTTACGATGCCTGTGCTATACTCTGTTTGCCTGTGTTCCAAATATCTTAGTAAT
TGCGACTGAGTCAGGAATGCTGTACCACTGTGTTGACTAGAGGGAGAAGAAGAAGTACCAAACGTTA
GAAAAGTCTGGGATCCCAGGGCTGACTTCATCCCTTCTGTACGTGTTGAGTGTGTTGAGTTAGAGC
TTGCCCTGAAGCTGGCATCTGGAGAGGACGATCCCTTTGCCTCTGACTTTTCTGCCCAATTAAGTCA
CAGAGATCCCAAGTGTCTTCGAGATACCACTGCAGCCATGAAGCTGGCGTGCACAGTGTGGGGCTGACT
TGGATTACAAAAGTGCACAAATTTCTTGGATCGGATGAAGAAGATAAGGATAGTTTACAAGAAGTCACTG
CTGAGCAGAAATGCTTTGTGGAGCACATTTCTTGTACAAAGCCATTGCCGTGCAGGCAGCCAGCTCCAAT
TCGAGGATTCTGGATCGTCCCAGACATCCTGGGGCCACAATGATCTGCATCACCAGTACCTATGAATGT
CTCATACGGCCTTTATTAAGTACAGTCCACCCAGCATCTCCTCCCTGCTCTGTACCCAAGAAGATGCTG
AAGTTGCAGAGTCTCCACTGCGCATTCTGGCTGAAACTCCAGACTCCTTTGAGAAGCATATTAAGAAGT
CTTGCAGCGTAGTCTGCCAACCCAGCATTCTCAAAAAGTCTGCAAGATCATCTGAAAAGGATTTG
GCTCCCCCTCCGAGGAGTGTCTTACGTTATCAGCAGAGCCACCCAGGTGTTCCGAGAAGTACATTC
TCAAGCAGGACCTGGCCAAGGAGGAGATTACGCGGAGGGTCAAATTAATATGTGACCAAAAAGAGGAAACA
ACTCGAAGATCTCAATTAAGTGTGAGAGGAAAGGGTTTCTCATCTCTTACGAAAAGTCTCCGGGAAATG
GCTGAGCGCTTAGCTGACAAATATGAGGAAGCCAAAGAAAAACAAGAAGATATCATGAACAGGATGAAAA
AAGTGCTTACAGTTTTTATGCTCAGCTCCAGTTCTCTCTGACAGTGAAGAGAGACATGAAGAAAGATT
ACAGCTGATACCTGATCAACTGCGACATCTAGGCAACGCCATCAAACAGGTTACTATGAAAAAGATTAT
CAACAGCGGAAGATGAAAAAGTGTGAGTCTCAGAAACCCACCATTACTCTCAGTGCCTACCAGCGAA
AGTGCATTACGTCATCTGAAAGAAGAGGGTGAACACATAAGGGAAATGGTGAAGCAAAATCAATGACAT
CCGAAATCATGTCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215959 representing NM_001083331
 Red=Cloning site Green=Tags(s)

MAAAVGPLGDGELWQSWLPNHVFLRLREGVRNQSPAAEAEKPAASTSPSCPSLPPHLPTRNLVFGLGGEL
 FLWDAEGSAFLVVRLRGPSSGGVEPPLSQYQRLLCINPPLFEIHQVLLSPTQHHVALIGSKGLMALELPQ
 RWGKDSEFEGGKATVNCSTIPIAERFFTSSTSLTLKHAAWYPSEMLDPHIVLLTSDNVIRIYSLREPQTP
 TKVIVLSEAEESLILNKGRAYTASLGETAVAFDFGPLVTVSKNIFEQKDRDVAVPLYLYENGETFLT
 YVSLHSPGNIGKLLGPLMPHAAEDNYGDACAILCLPCVPNILVIATESGMLYHCVVLEGEEDDQTL
 EKSWDPRADFIPSLYVFECVELELALKLASGEDDPFASDFSCPIKLRDPKCPSRYHCSHEAGVHVSGLT
 WIHKLHKFLGSDDEEDKDSLQELTAEQKCFVEHILCTKPLPCRQPAPIRGFWIVPDILGPTMICITSTYEC
 LIRPLLSTVHPASPPLLCQEDA EVAESPLRIL AETPDSFEKHIKRI LQRSAANPAFLKNC SARSEKDL
 APPPEECLQLISRATQV FREQYILKQDLAKEEIQRRVKLLCDQKRKQLEDLNYCREERVSHLFRKSLREM
 AERLADKYEEAKEKQEDIMNRMKKVLSFHAQLPVLSDSERDMKKELQLIPDQLRHLGNAIKQVTMMKDY
 QQRKMEKVLSPQKPTITLSAYQRKCIQSILKEEGEHIREMVKQINDIRNHVTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083331

ORF Size: 2259 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_001083331.2](#)

RefSeq Size: 2450 bp

RefSeq ORF: 2262 bp

Locus ID: 19069

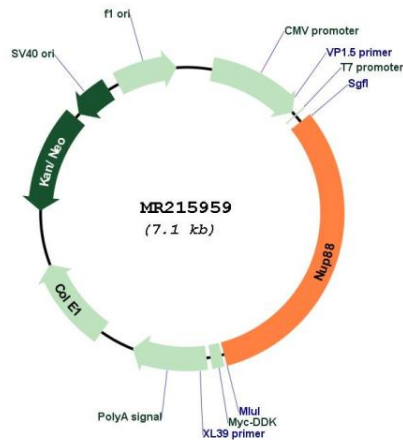
UniProt ID: [Q8CEC0](#)

Cytogenetics: 11 43.21 cM

MW: 85.4 kDa

Gene Summary: Essential component of nuclear pore complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215959