

Product datasheet for **MR210411**

Nup88 (BC032929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup88 (BC032929) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup88
Synonyms:	Nup84, 88kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210411 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCGGCTGCCGTGGGCCCCTTGGGCGATGGGAGCTGTGGCAGAGCTGGCTTCTAACCACGTCGTGT
TCTTGCGGCTCCGCGAGGCGTAAGAAACCAGAGTCCAGCCGAAGCGGAGAAGCCAGCGGCTTCGACTTC
ACCCTCGTGCCCGTCTCTGCCGCGCATTTCGCCGACGAGAAACCTGGTCTTCGGCCTCGGAGGGGAACTG
TTTCTGTGGGACGAGAAGGCAGCGCCTTCTTGGTGGTTCGCCTTCGAGGCCCGAGCGGTGGTGGCGTGG
AGCCTCTCTCTCCAGTATCAGAGATTACTCTGCATTAATCCACCCTTGTGAAATCCATCAAGTCTT
GTTGAGTCCAACCAACATCATGTAGCACTTATCGGAAGTAAAGGACTTATGGCATTAGAATTACCTCAG
AGGTGGGGAAGGACTCTGAATTTGAAGGTGAAAAGCAACTGTGAATTGTAGCACCATCCCGATTGCTG
AGAGATTTTTACCAGCTCTACCTCTCTGACTCTGAAGCATGCTGCATGGTATCCAAGTGAGATGCTGGA
TCCCCACATAGTCTGTTGACATCAGACAACGTGATAAGAATTTATTCTCTCCGTGAGCCCCAGACACCC
ACTAAGGTGATTGTACTTTCAGAAGCAGAAGAGGAAAGTTTAATACTCAATAAAGGAAGAGCATATACAG
CGTCTCTAGGAGAGACTGCAAGTGGCGTTTGACTTCGGGCCCTGGTAACCGTCTCAAAGAATATATTTGA
ACAGAAAGACAGAGATGTGGTGGCGTATCCACTGTACATCCTGTATGAGAATGGGAGACCTTCCTTACC
TACGTGAGCCTGTTACACAGCCAGGGAATATTGGGAAGCTGTTGGGCCCACTGCCTATGCATCCTGCAG
CTGAAGATAACTACGGTTACGATGCCTGTGCTATACTCTGTTTGCCTGTGTTCCAAATATCTTAGTAAT
TGCGACTGAGTCAGGAATGCTGTACCACTGTGTTGACTAGAGGGAGAAGAAGAGATGACCAACGTTA
GAAAAGTCCTGGGATCCAGGGCTGACTTCATCCCTTCTCTGTACGTGTTGAGTGTGTTGAGTTAGAGC
TTGCCCTGAAGCTGGCATCTGGAGAGGACGATCCCTTTGCCTCTGACTTTTCTGCCCAATTAACACTGCA
CAGAGATCCCAAGTGTCTTTCGAGATACCACTGCAGCCATGAAGCTGGCGTGCACAGTGTGGGGCTGACT
TGGATTACAAACTGCACAAATTTCTTGGATCGGATGAAGAAGATAAGGATAGTTTACAAGAACTCACTG
CTGAGCAGAAATGCTTTGTGGAGCACATTCTTTGTACAAAGCCATTGCCGTGCAGGCAGCCAGCTCCAAT
TCGAGGATTCTGGATCGTCCAGACATCCTGGGGCCACAATGATCTGCATCACCAGTACCTATGAATGT
CTCATACGGCCTTTATTAAGTACAGTCCACCCAGCATCTCCTCCCTGCTCTGTACCCAAGAAGATGCTG
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CTTGACGCGTAGTGTGCCAACCCAGCATTCTCAAATCATCTGAAAAGGATTTGGCTCCCCCTCCCGAG
GAGTGTCTTCAGCTTATCAGCAGAGCCACCCAGGTGTTCCGAGAACAGTACATTCTAAGCAGGACCTGG
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TTACTGTGCGAGAGGAAAGGAAAAGTCTCCGGGAAATGGCTGAGCGCTTAGCTGACAAATATGAGGAAGCC
AAAGAAAAACAAGAAGATATCATGAACAGGATGAAAAAAGTGCTTACAGTTTTTCATGCTCAGCTCCAG
TTCTCTCTGACAGTGAGAGAGACATGAAGAAAGAGTTACAGCTGATACCTGATCAACTGCGACATCTAGG
CAACGCCATCAAACAGTTACTATGAAAAAGATTATCAACAGCGGAAGATGAAAAAGTGCTGAGTCCT
CAGAAACCCACCATTACTCTCAGTGCCTACCAGCGAAAGTGATTTCAGTCCATCCTGAAAGAAGAGGGTG
AACACATAAGGGAAATGGTGAAGCAAATCAATGACATCCGAAATCATGTACCTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210411 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAVGPLGDGELWQSWLPNHVFLRLREGVRNQSPAAEAKPAASTSPSCPSLPPLPTRLNVFGLGGEL
 FLWDAEGSAFLVRLRGPSSGGVEPPLSQYQRLLCINPPLFEIHQVLLSPTQHHVALIGSKGLMALELPQ
 RWGKDSEFEGGKATVNCSTIPIAERFFTSSTSLTLKHAAWYPSEMLDPHIVLLTSDNVIRIYSLREPQTP
 TKVIVLSEAEESLILNKGRAYTASLGETAVAFDFGPLVTVSKNIFEQKDRDVAAYPLYIYENGETFLT
 YVSLHSPGNIGKLLGLPMPHAAEDNYGDACAILCLPCVPNILVIATESGMLYHCVVLEGEEDDQTL
 EKSWDPRADFIPSLYVFECVELELALKLASGEDDPFASDFSCPIKLHRDPKCPSRYHCSHEAGVHSVGLT
 WIHKLHKFLGSDEEDKDSLQELTAEQKCFVEHILCTKPLPCRQAPAPIRGFWIVPDILGPTMICITSTYEC
 LIRPLLSTVHPASPPLCTQEDA EVAESPLRILAETPDSFEKHILKILQSAANPAFLKSSEKDLAPPE
 ECLQLISRATQVFREYILKQDLAKEEIQRRVKLLCDQKRKQLEDLNYCREERKSLREMAERLADKYEEA
 KEKQEDIMNRMKKVLHSFHAQLPVLSDSERDMKKELQLIPDQLRHLGNAIKQVTMCKDYQQRKMEKVLSP
 QKPTITLSAYQRKCIQSILKEEGEHIREMVKQINDIRNHVTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC032929

ORF Size: 2226 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC032929](#), [AAH32929](#)

RefSeq Size: 2418 bp

RefSeq ORF: 2228 bp

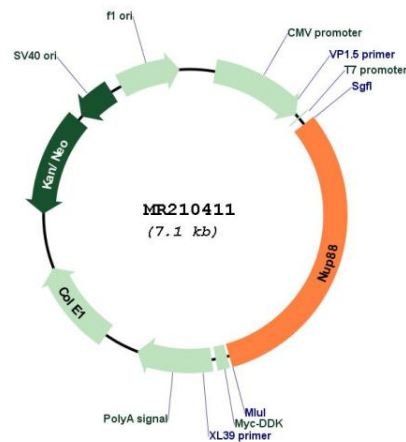
Locus ID: 19069

Cytogenetics: 11 43.21 cM

MW: 83.7 kDa

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

Product images:



Circular map for MR210411