

Product datasheet for **MG210411**

Nup88 (BC032929) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup88 (BC032929) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nup88
Synonyms:	Nup84, 88kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210411 representing BC032929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCTGCCGTGGGCCCCTTGGGCGATGGGAGCTGTGGCAGAGCTGGCTTCTAACCACGTCGTGT
 TCTTGCGGCTCCGCGAGGCGTAAGAAACCAGAGTCCAGCCGAAGCGGAGAAGCCAGCGGCTTCGACTTC
 ACCCTCGTGCCCGTCTCTGCCGCGCATTTGCCGACGAGAAACCTGGTCTTCGGCCTCGGAGGGGAACTG
 TTTCTGTGGGACGAGAAGGCAGCGCCTTCTTGGTGGTTCGCCTTCGAGGCCCGAGCGGTGGTGGCGTGG
 AGCCTCCTCTCTCCAGTATCAGAGATTACTCTGCATTAATCCACCCTTGTGAAATCCATCAAGTCTT
 GTTGAGTCCAACCAACATCATGTAGCACTTATCGGAAGTAAAGGACTTATGGCATTAGAATTACCTCAG
 AGGTGGGGAAGGACTCTGAATTTGAAGGTGAAAAGCAACTGTGAATTGTAGCACCATCCCGATTGCTG
 AGAGATTTTTACCAGCTCTACCTCTCTGACTCTGAAGCATGCTGCATGGTATCCAAGTGAGATGCTGGA
 TCCCCACATAGTCTGTTGACATCAGACAACGTGATAAGAATTTATTCTCTCCGTGAGCCCCAGACACCC
 ACTAAGGTGATTGTACTTTCAGAAGCAGAAGAGGAAAGTTTAATACTCAATAAAGGAAGAGCATATACAG
 CGTCTCTAGGAGAGACTGCAAGTGGCGTTTGAATTCGGGCCCTGGTAACCGTCTCAAAGAATATATTTGA
 ACAGAAAGACAGAGATGTGGTGGCGTATCCACTGTACATCCTGTATGAGAATGGGAGACCTTCCTTACC
 TACGTGAGCCTGTTACACAGCCAGGGAATATTGGGAAGCTGTTGGGCCCACTGCCTATGCATCCTGCAG
 CTGAAGATAACTACGGTTACGATGCCTGTGCTATACTCTGTTGCCCTGTGTTCCAAATATCTTAGTAAT
 TGCGACTGAGTCAGGAATGCTGTACCACTGTGTTGACTAGAGGGAGAAGAAGAGATGACCAACGTTA
 GAAAAGTCCTGGGATCCAGGGCTGACTTCATCCCTTCTCTGTACGTGTTGAGTGTGTTGAGTTAGAGC
 TTGCCCTGAAGCTGGCATCTGGAGAGGACGATCCCTTTGCCTCTGACTTTTCTGCCCAATTAAGTGA
 CAGAGATCCCAAGTGTCTTCGAGATACCACTGCAGCCATGAAGCTGGCGTGCACAGTGTGGGGCTGACT
 TGGATTACAAACTGCACAAATTTCTTGGATCGGATGAAGAAGATAAGGATAGTTTACAAGAACTCACTG
 CTGAGCAGAAATGCTTTGTGGAGCACATTTCTTGTACAAAGCCATTGCCGTGCAGGCAGCCAGCTCCAAT
 TCGAGGATTCTGGATCGTCCAGACATCCTGGGGCCACAATGATCTGCATCACCAGTACCTATGAATGT
 CTCATACGGCCTTTATTAAGTACAGTCCACCCAGCATCTCCTCCCTGCTCTGTACCCAAGAAGATGCTG
 AAGTTGCAGAGTCTCCACTGCGCATTCTGGCTGAAACTCCAGACTCCTTTGAGAAGCATATTAAGAAT
 CTTGCAGCGTAGTGTGCCAACCCAGCATTCTCAAATCATCTGAAAAGGATTTGGCTCCCCCTCCCGAG
 GAGTGTCTTCAGCTTATCAGCAGAGCCACCCAGGTGTTCCGAGAACAGTACATTCTAAGCAGGACCTGG
 CCAAGGAGGAGATTCAGCGGAGGGTCAAATTATTATGTGACCAAAAGAGGAAACAACCTCGAAGATCTCAA
 TTAAGTGTGAGAGGAAAGGAAAAGTCTCCGGGAAATGGCTGAGCGCTTAGCTGACAAATATGAGGAAGCC
 AAAGAAAAACAAGAAGATATCATGAACAGGATGAAAAAGTGCTTACAGTTTTTCATGCTCAGCTCCAG
 TTCTCTCTGACAGTGAGAGAGACATGAAGAAAGAGTTACAGCTGATACCTGATCAACTGCGACATCTAGG
 CAACGCCATCAAACAGGTTACTATGAAAAAGATTATCAACAGCGGAAGATGAAAAAGTGCTGAGTCCT
 CAGAAACCCACCATTACTCTCAGTGCCTACCAGCGAAAGTGATTCAGTCCATCCTGAAAGAAGAGGGTG
 AACACATAAGGGAAATGGTGAAGCAAATCAATGACATCCGAAATCATGTACCTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210411 representing BC032929
 Red=Cloning site Green=Tags(s)

MAAAVGPLGDGELWQSWLPNHVFLRLREGVRNQSPAAEAKPAASTSPSCPSLPPLPTRLNVFGLGGEL
 FLWDAEGSAFLVRLRGPSSGGVEPPLSQYQRLLCINPLFEIHQVLLSPTQHHVALIGSKGLMALELPQ
 RWGKDSEFEGGKATVNCSTIPIAERFFTSSTSLTLKHAAWYPSEMLDPHIVLLTSDNVIRIYSLREPQTP
 TKVIVLSEAEESLILNKGRAYTASLGETAVAFDFGPLVTVSKNIFEQKDRDVAAYPLYIYENGETFLT
 YVSLHSPGNIGKLLGPLMPHPAEDNYGDACAILCLPCVPNILVIATESGMLYHCVVLEGEEDDQTL
 EKSWDPRADFIPSLYVFECVELELALKLASGEDDPFASDFSCPIKLHRDPKCPSRYHCSHEAGVHSVGLT
 WIHKLHKFLGSDEEDKDSLQELTAEQKCFVEHILCTKPLPCRQAPAPIRGFWIVPDILGPTMICITSTYEC
 LIRPLLSTVHPASPPLCTQEDAESAESPLRILAEPTDSFEKHILKILQSAANPAFLKSSEKDLAPPE
 ECLQLISRATQVFREYILKQDLAKEEIQRRVKLLCDQKRKQLEDLNYCREERKSLREMAERLADKYEEA
 KEKQEDIMNRMKKVLHSFHAQLPVLSDSERDMKKELQLIPDQLRHLGNAIKQVTMCKDYQQRKMEKVLSP
 QKPTITLSAYQRKCIQSILKEEGEHIREMVKQINDIRNHVTF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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

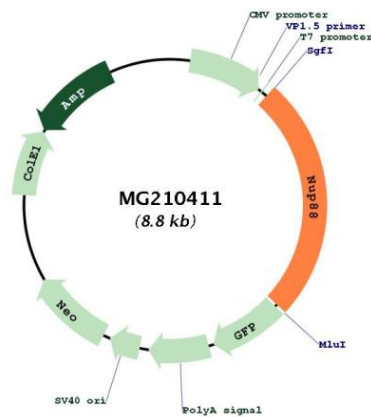
RefSeq ORF: 2228 bp

Locus ID: 19069

Cytogenetics: 11 43.21 cM

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

Product images:



Circular map for MG210411