

Product datasheet for **MC228839**

Nup88 (NM_001276406) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup88 (NM_001276406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup88
Synonyms:	Nup84; Prei2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228839 representing NM_001276406
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTGCCGTGGGCCCCTTGGGCGATGGGAGCTGTGGCAGAGCTGGTTCCTAACACGTCGTGT
 TCTTGGCGCTCCGCGAGGGCGTAAGAAACCAGAGTCCAGCCGAAGCGGAGAAGCCAGCGGCTTCGACTTC
 ACCCTCGTGCCCGTCTCTGCCGCCGCAATTTGCCGACGAGAAACCTGGTCTTCGGCCTCGGAGGGAACTG
 TTTCTGTGGGACGCAGAAGGCAGCGCCTTCTTGGTGGTTCGCCTTCGAGGCCCCAGCGGTGGTGGCGTGG
 AGCCTCCTCTCTCCAGTATCAGAGATTACTCTGCATTAATCCACCCTTGTTTGAAATCCATCAAGTCTT
 GTTGAGTCCAACCAACATCATGTAGCACTTATCGGAAGTAAAGGACTTATGGCATTAGAATTACCTCAG
 AGGTGGGGGAAGGACTCTGAATTTGAAGGTGAAAAGCAACTGTGAATTTAGCACCATCCCGATTGCTG
 AGAGATTTTTACCAGCTCTACCTCTGACTCTGAAGCATGCTGCATGGTATCCAAGTGAGATGCTGGA
 TCCCCACATAGTCTGTTGACATCAGACAACGTGATAAGAATTTATTCTCTCCGTGAGCCCCAGACACCC
 ACTAAGGTGATTGACTTTTCAGAAGCAGAAGAGGAAAATTAATACTCAATAAAGGAAGAGCATATACAG
 CGTCTCTAGGAGAGACTGCAAGTGGCGTTTACTTCGGGCCCTGGTAACCGTCTCAAAGAATATATTTGA
 ACAGAAAGACAGAGATGTGGTGGCGTATCCACTGTACATCCTGTATGAGAATGGGGAGACCTTCCTTACC
 TACGTGAGCCTGTTACACAGCCCAGGGAATATTGGGAAGCTGTTGGGCCCACTGCCTATGCATCCTGCAG
 CTGAAGATAACTACGTTACGATGCCTGTGCTATACTCTGTTTGCCTGTGTTCCAAATATCTTAGTAAT
 TGCGACTGAGTCAGGAATGCTGTACCACTGTGTTGACTAGAGGGAGAAGAAGAAGATGACCAAACGTTA
 GAAAAGTCCCTGGGATCCCAGGGCTGACTTCATCCCTTCTCTGTACGTGTTGAGTGTGTTGAGTTAGAGC
 TTGCCCTGAAGCTGGCATCTGGAGAGGACGATCCCTTTGCCTGACTTTTCTGCCCAATTAACACTGCA
 CAGAGATCCCAAGTGTCTTCGAGATACCACTGCAGCCATGAAGCTGGCGTGCACAGTGTGGGGCTGACT
 TGGATTACAAACTGCACAAATTTCTTGGATCGGATGAAGAAGATAAGGATAGTTTACAAGAACTCACTG
 CTGAGCAGAAATGCTTTGTGGAGCACATTTCTTGTACAAAGCCATTGCCGTGCAGGCAGCCAGCTCCAAT
 TCGAGGATTCTGGATCGTCCCAGACATCCTGGGGCCACAATGATCTGCATCACCAGTACCTATGAATGT
 CTCATACGGCCTTTATTAAGTACAGTCCACCCAGCATCTCCTCCCTGCTCTGTACCCAAGAAGATGCTG
 AAGTTGCAGAGTCTCCACTGCGCATTCTGGCTGAAACTCCAGACTCCTTTGAGAAGCATATTAAGAAGAT
 CTTGCAGCGTAGTCTGCCAACCCAGCATTCTCAAAAAGTCTGCAAGATCATCTGAAAAGGATTTG
 GCTCCCCCTCCGAGGAGTGTCTTACGTTATCAGCAGAGCCACCCAGGTGTTCCGAGAAGATACATTC
 TCAAGCAGGACCTGGCCAAGGAGGAGATTACGCGGAGGGTCAAATTAATATGTGACCAAAAAGAGGAAACA
 ACTCGAAGATCTCAATTAAGTGTGAGAGGAAAAGGAAAAGTCTCCGGGAAATGGCTGAGCGCTTAGCTGAC
 AAATATGAGGAAGCCAAAGAAAACAAGAAGATATCATGAACAGGATGAAAAAGTCTTACAGTTTTC
 ATGCTCAGCTCCCAGTCTCTCTGACAGTGAGAGAGACATGAAGAAAAGATTACAGCTGATACCTGATCA
 ACTGCGACATCTAGGCAACGCCATCAAACAGGTTACTATGAAAAAGATTATCAACAGCGGAAGATGGAA
 AAAGTGTGAGTCTCAGAAACCCACCATTACTCTCAGTGCTACCAGCGAAAAGTGCATTTCAGTCCATCC
 TGAAGAAGAGGGTGAACACATAAGGAAAATGGTGAAGCAAATCAATGACATCCGAAATCATGTCACCTT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001276406
Insert Size: 2244 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_001276406.1, NP_001263335.1</u>
RefSeq Size:	2467 bp
RefSeq ORF:	2244 bp
Locus ID:	19069
UniProt ID:	<u>Q8CEC0</u>
Cytogenetics:	11 43.21 cM
Gene Summary:	<p>Essential component of nuclear pore complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the coding region, compared to variant 2. The encoded isoform (3) is shorter, compared to isoform 2.</p>