

Product datasheet for **MC229248**

Nup98 (NM_001287167) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nup98 (NM_001287167) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nup98
Synonyms: 4732457F17; A1849286; Nup96
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229248 representing NM_001287167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTAAACAAATCATTGGAACCCCTTTGGGGGTAGTACAGGGGGCTTTGGCACAACGTCAACATTTG
 GGCAAAATACTGGCTTTGGTACGACTAGTGGAGGAGCATTGGAACATCTGCATTTGGTTCTAGCAACAA
 TACTGGAGGCTTATTTGAAATTCACAGACCAACCAGGAGGATTATTTGGTACCACTTCAATTTAGCCAG
 CCAGCAACCTCCACAAGCACTGGGTTTGGGTTTGGCACATCAACAGGAACATCAAATAGCTTATTTGGAA
 CTGCAAGTACCGGACCAGTCTTTTCTCATCCCAGAACAATGCATTTGCACAAAAATAACCAACTGGCTT
 TGGGAATTTTGGAAACAGTACTAGCAGTGGAGGACTCTTTGGAATAACAATACCACCTCTAATCCTTTT
 GGTAGCACATCTGGCTCCCTTTTGGGCCAAGTAGTTTTACAGCAGCACCTACAGGAACTACCATCAAAT
 TTAATCCTCCCACTGGTACAGATACTATGGTCAAAGCTGGAGTTAGCACTAACATCAGTACAAAGCATCA
 GTGTATTACTGCTATGAAAGAATATGAAAGCAAGTCATTAGAGGAACTACGTTTGGAGGATTATCAGGCT
 AACCGAAAGGCCACAGAACCAAGTGGGAGGAGCACCCAGGCTGGCTTATTTGGGCTCTTCCAGCAA
 CTTCCAGTGAACAGGGCTCTTCACTCCACCCTAATTCAGCCTTTTCATATGGTCAGAACAACAAAC
 TGCCCTTTGGAATACTAGCACAAGTGGATTTGGAACAATCCAGGTGGTCTCTTTGGCCAACAGAATCAACAG
 ACTACCAGTCTCTTCAAGCAACCAATTTGGCCAGGCTACAACCACCCGAATACTGGCTTTTCTTTGGTA
 ATACCAGCACCTTTGGACAGCCAAGCACCAATACTATGGGCTATTTGGAGTAACCAAGCCTCACAAAC
 AGGAGGTCTTTTGGGACAGCTACAAACACCAGCACTGGGACAGCATTGGGACAGGAACAGGTCTCTTT
 GGGCAGCCCAATACTGGATTTGGTGCAGTTGGTTCGACCCTGTTTGGCAATAACAAGCTTACAACTTTTG
 GAACCAGCACAAACAGTCTCTTCAATTTGGTACAACAGTGGCGGGCTCTTCGTAACAAACCAACCTT
 GACTTTAGGAACCAATACAAACACTTCCAATTTGGGTTTGGCACAATAACAGTGGGAGCAGTATTTTT
 GGAAGTAAGCCAGCAGCTGGAACCTTTGGAACTGGACTTGGTACAGGATTTGGAACAGCTCTTGGTCTG
 GACAGGCATCTTTGTTTGGAAACAACCAACCTAAGATTGGAGGGCTCTTGGTACAGGAGCCTTTGGGGC
 CCCTGGATTTAATACTTCGACAGCCATTTTGGGCTTTGGCGCCCCCAGGCCCCAGTAGCTTTGACAGAT
 CCAATGCTTCTGCTGCCAGCAGGCTGTTCTCCAGCAGCACCTCAATAGCCTAACATACTACCCTTTG



[View online »](#)

GAGACTCCCCCTCTCCGGAATCCTATGTCAGATCCTAAGAAGAAAGAAGAGAGACTGAAACCAACCAA
 TCCAGTGCTCAGAAAGCTCTTACAACACCTACTCATTATAAACTTACACCTCGCCCTGCTACCAGAGTC
 AGGCCAAAGGCTTTGCAAACAACAGGCACAGCCAAATCACATCTCTTTGATGGGCTGGATGACGATGAAC
 CATCTAGCCACGGAGCATTATGCCTAAAAAGAGCATCAAGAAGTTGGTTTTGAAAAATCTCAACAA
 TAGCAATCTCTTTTCTCCTGTTAATCATGATTGAGAAGATCTAGCTTACCCTCTGAGTATCCAGAAAAAT
 GGAGAAAGATTTAGCTTCTGAGCAAACCTGTTGATGAGAACAATCAGCAGGATGGAGAAGATGACTCTC
 TTGTATCACGATTTTACACTAATCCTATTGCCAAACCCATTCCACAAACTCCAGAGAGTGTGAAACAA
 AAATAACAGTAGCAGCAATGTGGAAGATACCATTGTTGCCTTGAACATGGGTGCTTTTGCCTAATGGA
 TTGGAAGGAAGCAGTGAAGAGACGTCATTCCATGATGAGTCATTGCAAGATGACCAGAGAAGATAGAAA
 ATAATGCTTACCACATACACCCAGCAGGCATTGTTCTCACAAAAGTTGGTTATTACACTATCCCATCTAT
 GGATGACCTTGCTAAAATTACCAACGAGAAGGGAGAATGCATTGTTTCTGACTTACCATTGGTCGTAAA
 GGATATGGCTCAATCTATTTTGAAGGAGATGTGAATTTGACAAATCTAAATTTGGATGATATTGTGCATA
 TCCGAAGGAAAGAAGTTATTGTCTATGTAGATGATAACCAAAAGCCACCTGTGGGTGAAGGGCTAAATAG
 GAAGGCTGAAGTTACTTTGGATGGAGTTTGGCCAACAGATAAAACATCCCGGTGTTTAAAGAGTCCA
 GATCGACTTGCTGATATCAACTATGAGGGGAGATTAGAAGCAGTCTCAAGAAAGCAAGGGGCCAAATTC
 AGGAGTATCGGCCTGAAACTGGTCTTGGGTATTTAAGGTCTCCATTTTCCAAGTATGGCCTTACGGA
 TTCTGATGAAGAGGAGGAGGAACACCCACCCAAAACGACTTCAAAGAAGCTGAAGACTGCCCTTTGCC
 CCTGCAGGCCAGGCAACCACTTTCCAGATGACTCTAATGGCAAGCCTGCACCCCACTCAGGTAGAGA
 AGGGCAGAGAATGTGAATGCAGCTGTGGTAAAGAAGTCAGCTGTGCAACCCTGGCTGCTATTTTTACTC
 AAGATTTAAAGGGTTTTCTTGCTGTTGGATCATTCTACAGATTGAACTTTCAATTTCTCTCATTGGGA
 CTTGTAATGTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001287167
- Insert Size:** 2955 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:**
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_001287167.1](#), [NP_001274096.1](#)
- RefSeq Size:** 3961 bp

RefSeq ORF: 2955 bp

Locus ID: 269966

Cytogenetics: 7 54.71 cM

Gene Summary: Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. NUP98 and NUP96 are involved in the bidirectional transport across the NPC. May anchor NUP153 and TPR to the NPC. In cooperation with DHX9, plays a role in transcription and alternative splicing activation of a subset of genes. Involved in the localization of DHX9 in discrete intranuclear foci (GLFG-body).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (5) differs in the 5' UTR, lacks several exons, and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' UTR, compared to variant 1. It encodes isoform 5 which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.