

## Product datasheet for MC229669

### Nup98 (NM\_001287164) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nup98 (NM\_001287164) 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:** >MC229669 representing NM\_001287164  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTAAACAAATCATTGGAACCCCTTTGGGGGTAGTACAGGGGGCTTTGGCACAACGTCAACATTTG  
 GGCAAAACTACTGGCTTTGGTACGACTAGTGGAGGAGCATTGGAACATCTGCATTTGGTTCTAGCAACAA  
 TACTGGAGGCTTATTTGAAATTCACAGACCAACCAGGAGGATTATTTGGTACCACTTCAATTTAGCCAG  
 CCAGCAACCTCCACAAGCACTGGGTTTGGGTTTGGCACATCAACAGGAACATCAAATAGCTTATTTGGAA  
 CTGCAAGTACCGGACCAGTCTTTTCTCATCCCAGAACAATGCATTTGCACAAAAATAACCAACTGGCTT  
 TGGGAATTTTGGAAACAGTACTAGCAGTGGAGGACTCTTTGGAACATAAATACCACCTCTAATCCTTTT  
 GGTAGCACATCTGGCTCCCTTTTGGGCCAAGTAGTTTTACAGCAGCACCTACAGGAACTACCATCAAAT  
 TTAATCCTCCCACTGGTACAGATACTATGGTCAAAGCTGGAGTTAGCACTAACATCAGTACAAAGCATCA  
 GTGTATTACTGCTATGAAAGAATATGAAAGCAAGTCATTAGAGGAACTACGTTTGGAGGATTATCAGGCT  
 AACCGAAAGGCCACAGAACCAAGTGGGAGGAGCACCCAGGCTGGCTTATTTGGGCTCTTCCAGCAA  
 CTTCCAGTGAACAGGGCTCTTCACTCCTCCACCACTAATTCAGCCTTTTCATATGGTCAGAACAACAA  
 TGCTTTTGGAACTAGCACAACTGGATTTGGAACAAATCCAGGTGGTCTCTTTGGCCAACAGAATCAACAG  
 ACTACCAGTCTCTTCAAGCAACCAATTTGGCCAGGCTACAACCACCCGAATACTGGCTTTTCTTTGGTA  
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 AGGAGGTCTTTTGGGACAGCTACAAACACCAGCACTGGGACAGCATTGGGACAGGAACAGGTCTCTTT  
 GGGCAGCCCAATACTGGATTTGGTGCAGTTGGTTCGACCCTGTTTGGCAATAACAAGCTTACAACTTTTG  
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 GACTTTAGGAACCAATACAAACACTTCCAATTTGGGTTTGGCACAATAACAGTGGGAGCAGTATTTTT  
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 CCTGGATTTAATACTTCGACAGCCATTTGGGCTTTGGCGCCCCCAGGCCCCAGTAGCTTTGACAGAT  
 CCAATGCTTCTGCTGCCAGCAGGCTGTTCTCCAGCAGCACCTCAATAGCCTAACATACTACCCTTTG



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GAGACTCCCCCTCTCCGGAATCCTATGTGATCAGATCCTAAGAAGAAAGAAGAGAGACTGAAACCAACCAA  
TCCAGTGCTCAGAAAGCTCTTACAACACCTACTCATTATAAACTTACACCTCGCCCTGCTACCAGAGTC  
AGGCCAAAGGCTTTGCAAAACAACAGGCACAGCCAAATCACATCTCTTTGATGGGCTGGATGACGATGAAC  
CATCTAGCCAAACGGAGCATTGATGCCTAAAAAGAGCATCAAGAAGTTGGTTTTGAAAAATCTCAACAA  
TAGCAATCTCTTTCTCCTGTTAATCATGATTGAGAAGATCTAGCTTACCCTCTGAGTATCCAGAAAAAT  
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TTGATCACGATTTTACACTAATCCTATTGCCAAACCCATTCCACAAACTCCAGAGAGTGTGGAAACAA  
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GATCGACTTGCTGATATCAACTATGAGGGGAGATTAGAAGCAGTCTCAAGAAAGCAAGGGGCCAAATTC  
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TTCTGATGAAGAGGAGGAGGAACACCCACCCAAAACGACTTCAAAGAAGCTGAAGACTGCCCTTTGCC  
CCTGCAGGCCAGGCAACCACTTTCCAGATGACTCTTAATGGCAAGCCTGCACCCACCTCAGAGCCAGA  
GCCAGAAGTGGAGCAGTTAGGCAGGGTTGTGGAAGTGGACAGCGACATGGTAGATATCACCCAGGAGCC  
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TCCTAGACTCCCATTTCAGCTCCCACATCAAAAATCCCGCTCCATAGTTGGTGGTGTCTGCAATCA  
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CTCGCATGAACATCCCATCCACATCCCCCTGGTCTGTCCCTCTGCCCTGGCCACTGTGTTACAGTGCC  
CAGCCCAGCCCCTGAGGTTCAGCTAAAAACAGTGGGGATACGAAGGCAACCAGGCCATAGTCCCTCTGAA  
AAATCCATTACATATGGCAAGGGGAAGCTCTTGTATGGACATGGCCCTATTCATGGGACGTTCAATTCGGG  
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TCATCAGGTTGCCGATTCTATGGAATATGGATTCTGCCAATCCAGTAGCTGTTAAATCTCTATCTGAA  
TCCCCATTCAAAGTTCATTTGAAAAACTCGGCTTAAGACAGAGGAAGCTGGATGAAGATCTGCAGTTAT  
ACCAGACACCTCTAGAGCTCAAATTAACATAGCACTGTCCATGTAGATGAGCTGTGCTCTCATTGT  
CCCCAACCTGGGGTTTCAGTATTGATGATTATGCAGATTGGGTTAAGGACTCACCTGGAGATTTCTG  
GAACTACCAATTGTGAAGCACTGGAGCCTGACATGGACATTATGTGAAGCCCTATGGGGCCACCTGAAGG  
AGCTTGACGGCCAGCTGGATGAGCCCAGCGAATACATTGAGACTTGGAGCGTAGAAGAGCTTTTTCCCG  
CTGGCTGTACATACCGCTGCACCTCAGATTGAAGAGGAAGTCTCCTTAACCCGACAGAGACAGTCCCGTA  
GAGGCTGTCTTACAGTACCTCACGGCAGTAGGATTAGTGAAGCCTGTTGTCTGGCACAGCAGTCAAGTG  
ATCATCGCCTTGGCCTTCTTCTGTCTCAGTTGGTGGGAAGCCAGTCAAGTCCGGGAGCTGCTCACCATGCA  
GTTGGCCGATTGGCATCAGCTCCAGGCTGACTCCTTCAACAGATGAGCGATTGCGCATATTTGCCCTG  
TTGGCTGGAAAACCGGTGTGGCAGCTCTCAGAGCAGAAACAATCAATGTTTGGTCCCAGCATAGATTGGA  
AACGAACACTTGCTATCCATCTTTGGTATTTGCTTCCGCCAACCCCTCCATTTCCAGGGCTCTCAGCAT  
GTATGAAGAAGCATTTCAGAATACTCCTGAGGGTGATAAATATGCCTGCTCCCCTCTTCTTCTTACCTG  
GAGGGCTGCGGCTGTATGGTAGAGGAAGAAAAAGACTCCCGGAGACCCTTCAAGATGTTTGGTTTCATC  
TTCTAAAACCTCTACAGTGACAGACATTATGAGCTCAATCAGTATTAGAACCCTCGAAGCATAAATGCAGA  
TCCTTTGGACTACCGCTGAGCTGGCACCTTTGGGAAGTGTACGTGCTTAACTATACCCATCTCTCA  
GAACAGTGTGAAGGTGTGCTACAGGCCAGTTATGCTGGCAACTGGAAAGTGAAGGACTCTGGGAGTGGG  
CCATCTTTGTCTTCTACACATTGACAACCTCGGCATGCGTGAGAAGGCTGTTGAGAGCTGCTGACAAG  
GCACTGCCAACTGTCAGAGACCCCTGAGTCTTGGGCTAAGGAGGGTTCCTCACACAGAAGCTTTGTGTG  
CCTGCTGAGTGGATTATGAGGCCAAAGCAGTTGAGCACACATGGAATCCAATAAGCACTTGGAGGCC  
TCTATTTATTTAAAGCTGGTCACTGGAACCGCTGCCACAAACTAGTCAATTCGTCACCTAGCTTCTGATGC  
CATTATTAATGAGAACTATGACTACCTGAAAGGATTCTTAGAAGATCTGGCACCTCCAGAGCGCAGCAGC  
CTCATCCAGGACTGGGAAACATCTGGGCTCGTTTACCTGGATTATATTGAGTGAATGCTCCACC  
GTATTCAGCAGGTGGATTGCTCAGGTTATGAACTAGAGCACTTACATACCAAAAGTGAATTCAGTGTGCA

TCGGATAGAACAGATTCCGTGTTACAATGCCAAGGATCGCCTGGCTCAATCAGATATGGCCAAGCGGGTA  
GCCAACTTACTGCGGGTAGTGCTGAGCCTTCAGCATGCTCCTGATGCCACCTCCAACCTCAACGCCAGACC  
CTCAGCGAGTCCCTTTGCGTCTTTTGGCTCCCCACATTGGCAGGCTCCCATGCCTGAGGACTACGCCTT  
GGAGGAAGTGGAGGCCCTTACCCAGTCTACCTTCGAGAAGTACTGCTGTTGGGAGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001287164
<b>Insert Size:</b>	5451 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001287164.1</a> , <a href="#">NP_001274093.1</a>
<b>RefSeq Size:</b>	6705 bp
<b>RefSeq ORF:</b>	5451 bp
<b>Locus ID:</b>	269966
<b>UniProt ID:</b>	<a href="#">Q6PFD9</a>
<b>Cytogenetics:</b>	7 54.71 cM
<b>Gene Summary:</b>	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 (1) represents the longest transcript and encodes the longest isoform (1).