

Product datasheet for **MC229232**

Nup98 (NM_001287166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup98 (NM_001287166) 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



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Fully Sequenced ORF: >MC229232 representing NM_001287166
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTAAACAAATCATTGGAAACCCCTTTGGGGGTAGTACAGGGGGCTTTGGCACAACGCTCAACATTTG
 GGCAAAATACTGGCTTTGGTACGACTAGTGGAGGAGCATTGGAAACATCTGCATTTGGTTCTAGCAACAA
 TACTGGAGGCTTATTTGGAAATTCACAGACCAAACAGGAGGATTATTTGGTACCAGTTCATTTAGCCAG
 CCAGCAACCTCCACAAGCACTGGGTTTGGGTTTGGCACATCAACAGGAACATCAAATAGCTTATTTGGAA
 CTGCAAGTACCGGACCAGTCTTTTCTCATCCCAGAACAATGCATTTGCACAAAAAAACCAACTGGCTT
 TGGGAATTTTGGAAACCAGTACTAGCAGTGGAGGACTCTTTGGAACATAAATACCACCTCTAATCCTTTT
 GGTAGCACATCTGGCTCCCTTTTGGGCCAAGTAGTTTTACAGCAGCACCTACAGGAACCTACATCAAAT
 TTAATCCTCCACTGGTACAGATACTATGGTCAAAGCTGGAGTTAGCACTAACATCAGTACAAGCATCA
 GTGATTACTGCTATGAAAGAATATGAAAGCAAGTCATTAGAGGAACACGTTTGGAGGATTATCAGGCT
 AACCGGAAAGGCCACAGAACCAAGTGGGAGGAGGCACCACGGCTGGCTTATTTGGGTCTTCTCCAGCAA
 CTTCCAGTGCAACAGGGCTCTTCAGCTCCTCCACCACTAATTCAGCCTTTTCATATGGTCAAGCAAAAC
 TGCTTTTGGAACTAGCACAACCTGGATTTGGAACAAATCCAGGTGGTCTCTTTGGCCAACAGAATCAACAG
 ACTACCACTCTTTCAGCAAACCTTTGGCCAGGCTACAACACCCCGAATACTGGCTTTTCTTTGGTA
 ATACCAGCACCTTTGGACAGCAAGCACAATACTATGGGCCTATTTGGAGTAACCAAGCTCACAAAC
 AGGAGGTCTTTTGGGACAGCTACAACACCAGCACTGGGACAGCATTGGGACAGGAACAGGTCTCTTT
 GGGCAGCCCAATACTGGATTTGGTGCAGTTGGTTCGACCCTGTTGGCAATAACAAGCTTACAACCTTTG
 GAACAGCACAAACAGTCTCTTCAATTTGGTACAACAGTGGCGGGCTCTCGGGTTTGGCACAATAA
 CAGTGGGAGCAGTATTTTTGGAAGTAAGCCAGCAGCTGGAACCTTTGGGAACCTGGACTTGGTACAGGATT
 GGAACAGCTCTTGGTGGTGGACAGGCATCTTTGTTTGGAAACAACCAACCTAAGATTGGAGGGCCTCTTG
 GTACAGGAGCCTTTGGGGCCCTGGATTTAATACTTCGACAGCCATTTGGGCTTTGGCGCCCCCAGGC
 CCCAGTAGCTTTGACAGATCCAATGCTTCTGCTGCCAGCAGGCTGTTCTCCAGCAGCACCTCAATAGC
 CTAACATACTCACCTTTGGAGACTCCCCCTCTCCGGAATCCTATGTCAGATCCTAAGAAGAAAGAG
 AGAGACTGAAACCAACCAATCCAGCTGCTCAGAAAGCTTTACAACACCTACTCATTATAAACTTACACC
 TCGCCCTGCTACCAGAGTACGGCCAAAGGCTTTGCAAACAACAGGCACAGCCAAATCACATCTTTGAT
 GGGCTGGATGACGATGAACCATCTCTAGCCAACGGAGCATTATGCCTAAAAAGAGCATCAAGAAGTTGG
 TTTTGGAAAAATCTCAACAATAGCAATCTCTTTCTCCTGTTAATCATGATTGAGAAGATCTAGCTTACC
 CTCTGAGTATCCAGAAAATGGAGAAAGATTTAGCTTCTGAGCAAACTGTTGATGAGAACAATCAGCAG
 GATGGAGAAGATGACTCTCTTGTATCACGATTTTACACTAATCCTATTGCCAAACCCATTCCACAAACTC
 CAGAGAGTGTGGAAACAAAAAATACAGTAGCAGCAATGTGGAAGATACCATTGTTGCCTTGAACATGCG
 TGCTGCTTTGCGCAATGGATTGGAAGGAAGCAGTGAAGAGACGTCATTCCATGATGAGTCATTGCAAGAT
 GACCGAGAAGAGATAGAAAATAATGCTTACCACATACCCAGCAGGCATTGTTCTCACAAAAGTTGGTT
 ATTACACTATCCCATCTATGGATGACCTTGCTAAAATTACCAACGAGAAGGGAGAATGCATTGTTTCTGA
 CTTACCATTGGTCGTAAGGATATGGCTCAATCTATTTTGAAGGAGATGTGAATTTGACAAATCTAAAT
 TTGGATGATATTGTGCATATCCGAAGGAAGAAGTTATTGTCTATGTAGATGATAACCAAAAGCCACCTG
 TGGGTGAAGGGCTAAATAGGAAGGCTGAAGTACTTTGGATGGAGTTTGGCCAACAGATAAAACATCCCCG
 GTGTTTAAATAAGAGTCCAGATCGACTTGTGATCAACTATGAGGGGAGATTAGAAGCAGTCTCAAGA
 AAGCAAGGGGCCAATTCAGGAGTATCGGCCTGAAACTGGTCTTGGGTATTTAAGGTCTCCCATTTTT
 CCAAGTATGGCCTTCAGGATTCTGATGAAGAGGAGGAGGAACACCCACCCAAAACGACTTCAAAGAAGCT
 GAAGACTGCCCTTTGCCCTGCAGGCCAGGCAACCACTTTCCAGATGACTCTAATGGCAAGCCTGCA
 CCCCCACCTCAGGTAGAGAAGGGCAGAGAATGTGAATGCAGCTGTGGTAAAGAAGTCAGCTGTGCAACCC
 TGGCTGCTATTTTTACTCAAGATTTAAAGGGTTTTCTGCTGTTGGATCATTCTACAGATTGTAACCT
 TCAATTTCTCTCATTGGACTTGAATGTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001287166
Insert Size:	2904 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_001287166.1</u> , <u>NP_001274095.1</u>
RefSeq Size:	3930 bp
RefSeq ORF:	2904 bp
Locus ID:	269966
Cytogenetics:	7 54.71 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has multiple coding region differences compared to variant 1 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 4 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.</p>