

Product datasheet for **MC202801**

Nup107 (NM_134010) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup107 (NM_134010) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup107
Synonyms:	AW541137; C76801
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057591 sequence for NM_134010
AACGCGGCGGCCAGGCTGCAGTCAAAGATTGCAAGGTTCTAGGCGGAGACCGCTGAAGCCATGGACAGG
AGTGGCTTCGGGGGGATGTCATCCCCTGTGATCCGGATGCGGAGGTGACGAGGACTGCCCGAAGCACA
GTGCTCACAAAAGAGTTCTAATTCAGGCCAACCAAGAGGACAATTTTGGTACTGCTACACCAAGAAGCCA
GATCATTCTCGAACCCAAGCTCCTTCGACAGCCTTTTGTACTCCATCGAGCCGAAGCCTACTGAGA
CACCCGGATATTTCTACATTCTTGAACGGAAGGAGGTCTCCCGGCACACACAGTCTTCTGGGTACT
TGGGAAATCTTTCTATGGTGACTAATCTTGATGACAGCAACTGGGCAGCTGCATTTCTACCCAGCGTTT
AGGGCTCTACACAAACACAGAGCATCATAGTATGACCGAGGATGTGAACCTAAGTACTGTATGCTACGG
GAAGACGACCCTGGAGAGGCTGCATCCATGAGCATGTTCTCTGATTTCTGCACTCTTTCTGAAGCACT
CTTCAACCACAGTCTTTGATCTCGTAGAAGAATATGAAAATATTTGTGGTAGTCAGGTGAATATCCTCAG
TAAAATAGTGAGCCGCGCAACGCCTGGACTGCAGAAGTTTCCAAGACGGCCAGTATGCTCTGGCTTCTC
CAACAGGAGATGGTCACATGGAGGCTGCTGCCTCTTTGTACAGAGACAGAATACAGTCTTCATTAGAAG
AGGAAAATATGTTTGAATTGCTGGTATTAATGCCAGCGAGAAGATGGTTGTGGAACGCTGTTTCAGAG
GGACTCACTGGTCCGGCAGAGCCAGTTGGTGGTAGATTGGCTAGAGAGTATTGCCAAAGATGAAATCGGA
GAATTCTCGGACAATATTGAGTTTTATGCAAAATCAGTGTATTGGGAAAATACCCTCCACTCCTTAAAGC
AGCGGCAGCTACTGTCTACATGGGAAGTACCCGGCCTCTGGTACCCGAAGTGGACCCAGACGCTCCCAT
TAGACAGAAGTTGCCACTCGACGATCTGGACAGAGAGGACGAGGTGAGACTGCTGAAGTACCTCTTCACG
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CAACCCTGGAAGGCTGGAACCTGTACCATGACCCTAATGTTAATGGAGGGACAGAGCTAGAACCTGTTGA
AGGGAATCCATATAGACGCATCTGGAAGATTAGTTGCTGGAGAATGGCTGAAGATGAACCTTTTTAATAAA
TATGAAAGAGCGATTTACGCGGCACTGAGTGGGAACCTTAAGCAGCTCCTCCAGTCTGTGACACGTGGG
AAGACACGGTGTGGGCCTACTTCGGGTGATGGTGGATAGCCTGGTGGAGCAGGAGATTCGGACATCAGT
AATGACGAGGATGACAGTGGAGGCTCCCTCGAGAGTACATGGAAGCCAATTGGACCTTAGAAAAGTT
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AAGCAGTCTGCCCGACACCTGCTCCGCTTCATGACACACCTCATTCTGTTTCTCCGCACCTTAGGCCTC
CAGACCAAGGAAGAAGTTTCCATTGAAGTTCTAAAAACATATATACAGCTGTTAATAAGCGAGAAGCACA
CAAGCCTCATAGCGTTCTATACCTGTCTGCTCAAGACCTCGCCGTGGCCAGTATGCCTATTTTTT
GGAAGGTGTTACGGAATTTGAGCAGCGCACCACTGCTAGAGCTGGCTAAGGAAGCAGACTTGGATGTT
GCGACGATAACGAAAACGTAGTTGAGAATATTTGCAAGAAAGATAATGGTGAATTTAGTACCATGACC
TGCTCCATCCCTAGACTGGCACTACTGAGGAGGACCGCTGAAGATTGATGTGATCGACTGGCTCGT
GTTTGACCCGGCAGAGAGCGGAAGCCCTGAGGCAAGGCAACGCCATCATGAGGAAGTTCTTAGCATT
AAGAAAATGAAGCTGCAAAAAGAAGTGTGTTGTAATAATCCTCAGGATCCATCGCAGAGATCTATAATC
AGTGGGAGGAGCAAGGCATGGAGAGCCCTCTTCTGCGGAGGATGATAACGCCATCCGAGAGCATTGTTG
TATCAGAGCCTATCTGGAAGCCATGAAACCTTCAACGAATGGTTTAAACATATGAATTCGGCTCCACAG
AAACCTACATTACTATCTCAAGCAACTTTTACAGAGAAAGTGGCTTATGAACACAGAGAAAAGAAATACG
AGATGGATCATAATATTTGGAAGGACATTTGGATGCCCTAACTGCTGATGTGAAGGAGAAAATGTACAA
CGTCTTGTGTTTGTGATGGAGGATGGATGGTGGATGTCAGAGAGGACGCCGAGGACGACCCTGAGCGG
ACGCATCAGATGGTTTTACTGAGGAAGCTCTGTCTCCCATGCTGTGCTTCTGCTTACACCATACTGC
ACAGCACCGGACAGTACCAGGAGTGCCTGCAGCTGGCCGACATGGTGTCTCTGAGCGCCACAAGCTCTA
TCTGGTGTGTTTTAAGGAAGAATAAGGAACTGCTGCAGAAGTTAAGGGAGTCTCTCTAATGCTCCTA
GACCAGGGGCTCGACCCGCTTGGCTATGAAATTCAGTCATAAATCACCATTCTCTGATGCCATGACTAG
AGGAGGATGCTTGTGCTTGGTTGAGTTGCTTGGTTGGTTTGGTCAAATATACGTATTTGTAAT
TATTGGTTTGTGTTGTTGTTGTTTTCTTTGGCATTCTTGGGAAAATGTAATAATCAGGCATTTGGA
TTTTGTATTATACAGTATTTCTTATGATTTTTTAAATAAATATACAAAATAAATTTTTTGTCTAT
AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_134010
Insert Size: 2781 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).
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:	BC057591 , AAH57591
RefSeq Size:	3102 bp
RefSeq ORF:	2781 bp
Locus ID:	103468
UniProt ID:	Q8BH74
Cytogenetics:	10 D2
Gene Summary:	Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. Required for the assembly of peripheral proteins into the NPC. May anchor NUP62 to the NPC. Involved in nephrogenesis.[UniProtKB/Swiss-Prot Function]