

Product datasheet for **RN213083**

Nup153 (NM_001100470) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup153 (NM_001100470) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nup153
Synonyms:	NUCZINK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213083 representing NM_001100470 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCTCAGGAGCCGGAGGCATAGGAGGGGGCGGCGGCGGCAAGATCCGGACGCGTCGTTGCCACC
AGGGGCCGGTGAAGCCTTACCAGCAGGGGCGACCCCAACACCAGGGCATTCTTAGCAGGGTTACAGAATC
TGTTAAGAATATTGTACCAGGGTGGCTACAGAGATACTTCAACAAGAGTGAAAATGCCTGTAGCTGTTCA
GTAAATGCAGATGAAGTCCACGTTGGCCGAAAAATAGAGAAGATGAGCGTGAGATTTATGTGGATGAGA
ACACAAACACTGATGACGGGAGAACCCCTGAGCCACAGGCAGTAACACAGAAGAACCATCAACCAC
CAGTACTGCTTCAAATTATCCAGATGTATTAACAAGACCTTCTCTTCATCGGAGTCATCTGAATTTCTCC
GTGTTAGAATCCCTGCTTTGCACTGTGAGCCATCCACGTCTCTGCATTCCCAATCGGCAGTTCTGGAT
TTTCCCTTGTGAAGGAGATTAAAGATTCTACCTCTCAGCATGATGATAACATCTCAACTACCACTGG
GTTCTCTTCAAGAGCTTCTGAGAAAGATATAGCTGTTTCAAAGAACACTTCCCTGCCACCTTTGTGGTCC
CCCGAAGCAGAGCGTTCTCATTCACTCTCACAACATACTGCCATCAGCTCCAAAAACCAGCATTAACCT
TGCTGCCTTTGGAACACTTTCCACCTCACTTGGGAATTTCTCAATTTCTAAACAAGTCAACTTGGAGA
CTCTCCTTTTATCCTGGCAAAACAACATATGGTGGGGCAGCTGCTGCTGTAAGACAGAATAAAGTACGA
AGTACACCTTACCAGGCTCCAGTTCGAAGACAGATGAAAGCCAAGCAGCTCAATGCACAGTCTTATGGTG
TGACCAGTTCAACAGCACGGCGGATATTGCAGTCATTAGAAAAGATGTCAAGCCCTCTTGCAGGATGCAAA
AAGAATCCATCTGCTGTTTCTCTCCTCTGAATTTCTCCCTTGATAGGAGTGGGATAGATAGCACAGTT
TTTCAGGCAAAAAAGGAAAGGTGGACTCTCAGTATCCCCCTGTTGAGAGACTAATGACCCCAAGCCAG
TTTCCATAGCAACAAATAGAAGTGTCTATTTTAAACCATCTCTGACCCCATCTGGTGACTTAAGGAAGAC
TAATCAAAGGATAGATAAAAAAGAACAGTACTGTAGATGAAAAAATATCTCAAGACAAAAAGAGAGCAA
GAAAGTGGCTTTTCATACCCCAATTTTCAGTATTCCTGCAGCCAATGGTTTATCTTCTGGAGTAGGTGGTG
GAGGTGGCAAGATGAGAAGAGAGAGACAACACATTTTGTGCTTCTAAACCTTCAGAGGAGGAGGAAGT
AGAAGTACCATTGTTACCGCAATCTCTACCAATCAGCAGTCTTCTCACTGCCACCTCAACTTTAGT



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TCCCCTGCGATCTCGGCTGCTTCTTCGTATCAGTCAGCCCTTCTCAGCCATTATCAAACAAGGTACAGA
TGACCTCTCTGGGCAGCACAGGCAATCCCGTGTTCACCTTTCTCTCCATTGTGAAGTCCACGACGGC
AGACGTGCTACCTCCAGCATCTATTGGATTTACGTTTAGTGTGCCTCTTGCAAAAACAGAACTTTCTGGC
CCTAATAGTTCTTCAGAAACAGTTTTAAGTAGTTACAGTTACAGCTCAAGATAACACTGTAGTGAATAGTT
CAAGCTCTAAGAAGCGAAGTGCCCTTTGTGAGGACCTTTTACACCTGCAAAGATCCTGAGAGAAGGAAG
TGTTTTAGACATTCTGAAAACGCTGGTTTCATGTACCAAAGGTTGATTCTCCTGCTCTTCAGCCACACA
ACTACAAGCTCAATAGTTTATACAAGACCAGCAATAAGTACTTTTTCTCTAGTGGGGTTGAGTTTGGAG
AAAGTTTAAAAGCTGGATCATCATGGCAGTGTGACACATGTCTACTCCAGAACAAAGTCACAGACAATAA
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TCTTCTACCACCGTGACCACTGGTACACTAGGATTTGGAGATAAATTCAAAAGGCCCGTGGGATCTTGGG
AGTGTCCGGTATGCTGTGTTTCTAATAAGGCAGAAGACAGCAGATGTGTCTCCTGTACATCTGAGAAACC
AGGTTTGGTATCTGCCTCAAGCAGCAACCCTGTCCCTGTCTCTGCTTCTGGAGGCTGTTTAGGATTG
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CCAAGTGATAGCTTGTGAAAGTGCAAGCCAGGCACAAAGTCTGAGTTTAAAGGCTTTGGGACATCTTC
ATCTTTAAATCCAGCACCCCTCAGCCTTCAAATTTGGTATTCCATCATCATCTTCTGGGCTTTCTCAAAC
TTTACAAGCACTGGAAATTTTAAATTTGGAGATCAGGGAGGATTCAAATTAGGCACTTCTACTGCTG
GGTCTACAAACACCATGAATACAACTTTAAATTTCTAAACCAACTGGAGATTTTAAATTTGGAGTATT
ACCTGATTCCAAACCTGAAGAAATAAAAAACGACAGCAAGAATGATAATTTTTCAGTTTGGACCTTCTTCT
GGCTTAAGCAATCCAGCGTCTTCAGCTCCATTTTCAGTTTGGGGTATCTACTCTTGGGCAGCAGGAAAAGA
AAGAGGAGCTGCCTCAGTCTTCATCTGCAGGCTTCAGTTTGGTGCAGGTGTTGCTAACCCCTCTAGTGC
TGCTATTGACACCACAGTGACCTCAGAGAACAAGAGCGGCTTCAACTTTGGAACCATAGACACTAAGAGT
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GGTTCACATTTGGTAAAGTGGACTCTGTGCTTTGTCTCTCCCTCAATGTTTGTGTTGGGAAGGACAGA
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AAGTGTCAACCAGTATTTTCTTTGGAAATTCAGAGCAAAACCAAGACGAGAGTTCCTCAAGCCGACCT
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AAATCAAACCAATACAACAATGATCAAGGTGCAGCAAGCCAGCTTTTAGCTTCTTGAACAGCAGTTCC
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CGCCTGTGGCAGCCTTTGTGTTTGGACAGGCCAGTAATCCTGTGACGAGCTCTGCCTTCGGAAACTCCGC
CGAGTCCAGTACATCTCAGCCTTTGCTCTTCTCAAGATGGCAACACAGCCACCACGTCCAGCACTGCC
TCAGCTGCCCTCCATTTGTATTTGGAACAGGAGCCAGTAGTAATAGTACTGTATCTTCTGGGTTCACTT
TTGGGGCTACAACCACATCAAGCTCTTCAGGATCCTTCTTTGTATTTGGCACTGGACATTCAGCACCATC
TGCCAGTCCAGCATTTGGTGCTAACCAGACTCCAACATTTGGACAAAGTCAAGGTGCCAGCCAGCCTAAC
CCTCAAGCTTTGGCTCTATATCGTCTTCAACAGCATTATTTCTGCTGGTCTCAGCCTGTACCACCAC
CTACATTTGGGACAGTGTCAAGCAGCAGCAACCTCCTGTGTTTGGACAGCAGCCTAGTCAGTCTGCATT
TGGCTCTGGGACAGCAATGCTAGTTTCGGTTTTCCAGTTTGGCAGCAGCACTACAAATTTCAACTTCACA
AACAAATCCATCAGGAGTGTTACATTTGGTGCAAGTCCCAGCAGCCTGCAGCCGACGCCAGCCCT
CAGGTTTCGGGGGCTTTTTCATTAGCCAGTCTCCAGCATATTTACAGTGGGGTCAAATGGGAAAAATAT
GTTCTCTTCTCCGGAACCTCAGTTTCTGGTCGAAGATAAAGACTGCTGTTAGACGCAAGAAATAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001100470

Insert Size:

4407 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:	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_001100470.1, NP_001093940.1</u>
RefSeq Size:	6224 bp
RefSeq ORF:	4407 bp
Locus ID:	25281
Cytogenetics:	17p14
Gene Summary:	nuclear pore complex protein; may act to gate transcribable genes to nuclear pore complexes [RGD, Feb 2006]