

Product datasheet for **RN205381**

Nup54 (NM_017361) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup54 (NM_017361) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nup54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205381 representing NM_017361
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATTCAATTTTGGGGCTCCTTCGGGCACTTCGGGCACCTCTACAGCCACCGCGGCACCGCGGGCG
 GGTTTGGCGGATTTGGAACAACAACATACTGCAGGCTCTGCATTACAGCTTTTCTGCCCAACAAACAC
 AGGCAGTACAGGCCTTCTCGGCGCACTCAGAACAAGGTTTGGCTTTGGCACTGGTTTGGCAGATCG
 ACGGGTACTGGCACTGGTTTAGGCACTGGCTTGGGAACCGGACTTGGATTGCGAGGATTTAACACCCAGC
 AGCAGCAGCAGCAGCAGCAGACTTCTTTAGGCGGTCTCTTCAGTCAGCCTGCACAGGCCCTGCGCAGTC
 CAACCAACTCATCAACTGCCAGCGCTCTTTCTGCTCCAACGCTATTGGGGGATGAGAGAGATGCCATC
 TTGGCAAAGTGAACAGTTGCAGGCCTTCTGGGGAACAGGAAAAGGATATTTCAATAATAACATTCCTC
 CAGTGGAGTTTACACAGGAAAACCCCTTTTGGCGATTTAAGGCTGTCGGTTACAGTTGTATGCCCAATAA
 CAAAGATGAAGATGGACTAGTGGTTCTAATTTTCAACAAAAAGAAACAGATATTAGAAGCCAACACAG
 CAGTTGGTAGAATCATTGCATAAAGTTCTGGGAGGAAACAGACCCTCACTGTCAATGTGGAGGGCATT
 AGACACTGCCCGACGATCAGACAGAAGTTGTCAATTTACATTGTTGAGCGCTCTCCAAATGGCACCTCGAG
 AAGAGTTCCAGCGACAACGCTGTATGCCCACTTTGAGCAAGCCAACATTAACACAGCTTCAGCAGCTT
 GGCGTGACCCCTTCTATGACCAGAACAGAGCTGTCTCCTGCTCAGATCAAGCAGCTCCTACAGAACCCCTC
 CTGCTGGTGTGATCCCATTATTTGGGAACAGGCCAAGGTGGATAACCCGGATTCTGAAAAATTAATTCC
 TGTTCCAATGGTGGGTTTCAAAGAATTGCTTCGAAGACTGAAGGTTCAAGACCAGATGACTAAGCAGCAC
 CAGACCAGATTAGATATCATATCTGAAGATATTAGTGAAGTCAAGGTTCAAGACCAGATGACTAAGCAGCAC
 AAATAGCACAATACAAGAGGAACTGATGGATCTCTCACACAGAACCTTACAGGTCTAATCAAGCAGGA
 AATCCAGAGGAAGAGTGGCTATGCCATCCAGGCTGAGGAAGAACAGTTGCGGGTTACAGTAGATACGATT
 CAAGGAGAGCTGAATGCACCACTCAGTTCAAAGTCTGACTGAATGAAGTATGTCAGATCAGGATGC
 AGAATCATTTTGGAGCTGTGAAATCTGAAGAAAAGTATTACATAGATGCAGACCTATTACGAGAGATCAA
 GCAGCATTTGAAACAGCAACAGGAAGGCCTTAGCCACCTGATTAGCATCATAAAGACGACCTGGAAGAT
 ATCAAGCTGGTAGAGCATGGACTGAATGAGACCATCCACAGCAGAGGCGGGGTCTTTAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017361

Insert Size: 1533 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_017361.1, NP_059057.1</u>
RefSeq Size:	2277 bp
RefSeq ORF:	1533 bp
Locus ID:	53372
UniProt ID:	<u>P70582</u>
Cytogenetics:	14p22
Gene Summary:	a component of the nuclear pore complex and may be involved in nuclear protein import [RGD, Feb 2006]