

Product datasheet for **RN204163**

Nup50 (NM_012991) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup50 (NM_012991) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nup50
Synonyms:	Npap60; Rtp60
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204163 representing NM_012991
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAAGAGAGTTGCGGAGAAGGAATTAACAGATAGGAATTGGGATGAAGAAGATGAAGTTGAAGAGA
TGGGAACATTCTCAGTGGCCAGTGAGGAAGTCATGAAGAACAGAGCCGTGAAGAAGGCAAAGCGTAGGAA
TATTGGCTTTGAATCTGATAGCGGAGGAGCCTTTAAAGGTTTCAAAGGTTGGTTGTGCCTTCTGGAGGA
GGAGGTTTTCTGGATTTGGTGGTGGCTCTGGAGGGAAGCCTCTGGAAGGACTGACAAATGGAAACAGCA
CAGACAGTGCCACGCCCTTCTCCAGTCAAAGACAGCAGCGGAGCCTAAGGCAGCCTTTGGTTCTTTTGC
TGTGAATGGCCCTACTACTTTGGTGGATAAAAAGATCTCCAGTCTAAATGCAATAGCAGCAATCAGCCG
CCCTCTCCGGCCAGCCTCCAGTACCTCTGCACTGGGAATACCTATCATAAGCAGTTGGCTGGCTTGA
ACTGCTCTGTCCGGGATTGGATAGTGAAGCATGTTAACACAAACCCACTTTGTGACCTGACGCCATTTT
TAAAGACTACGAGAGATACTTAGCGACGATCGAGAAGCAGCTGGAGAATGGGGTAGCAGCAGCTCAGAG
AGACAGACAGACAGGGCGACGGCTGCAATGGAGCCTCCTCCCTTTTGGTTCAACAAAACCTACAGCAAG
ATTCACCATTTTCATTTTCATGGCAACAAAGCGGAGGACACATCTGAAAAGTTGGAGTTTACAGCAGAAAA
GAAATCGGACGCAGCACAAGGAGCAACAAGTGCCTCGTTTAAATTTGGCAAGAAAATTGAGAGCTCAGTT
TTGGGCTCTTAAAGCTCTGGCTCCCTAACTGGGTTTTCTCTCTCTGGAACTCTAGTTTATTTGGTA
AAGATGCTGCCAGAGTAAAGCAGCCTCTTACCGTTTTCTGCTAAAGCATCCGAGAGTCAAGCAGGAGG
CAGCAGCAGTGAAGTGCAGAGATGGTGAAGAAGAGGAGAGTGAAGCCACCAAGTGGTGGTGAAGTAA
GTGAAGGAAGAGGATGCTTTCTACTCAAAAAATGTAACATTTTACAAGAAAGACAATGAATTTAAAG
AGAAGGGTGTGGGACCCTGCATTTAAACCCACAGCAACTCAGAAGACCCAGCTTTGGTGGCGGCAGA
CACCAACCTAGGCAACATTCTGCTGAATGTTCTGATCCCAACCAATATGCCGTGCACCCGGACAGGGAAG
AACAAATGCTTTATCGTCTGTGTCCCAACCCCACTTGATGAGAAGCAGCCACTCTCCCGGTACCA
TGCTGATTCGGGTGAAGACGAGCGAGGATGCTGATGAGTTGCACAAGATTTACTGCAGAAAAAGGACGT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012991

Insert Size: 1404 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: [NM_012991.1, NP_037123.1](#)
RefSeq Size: 3027 bp
RefSeq ORF: 1404 bp
Locus ID: 25497
UniProt ID: [O08587](#)
Cytogenetics: 7q34
Gene Summary: nucleoporin with a role in nuclear protein export [RGD, Feb 2006]