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Product datasheet for MC206176

Nup50 (BC065102) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup50 (BC065102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup50
Synonyms:	1700030K07Rik; AI413123; Npap60
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC065102 CGAGTTACAAGATGGCGGCCCCGGGCGCTCTCTTCACCGTTCTGTAGCAGCTTCGGGCTGAGCGGATGTC TCTTCTTGTCCTCAGTGTCGGACTCAGAGACACACGGCTCCCGAGTTCTGCTGATCACGAAGTTCCCGGA GGCGCTCGACGCACCGGAATCTCCCAGCGGCCGCGACCGCCGCCTCGGCCCTGCTCGCCGCGGCGCCGGG ACTCCAGCGTGATCGGCGGCGGCAGTCAAGGTTCACAAAAATGGCGAAGAGAGTTGCGGAGAAGGAGTTG ACTGACAGGAACTGGGATGAGGAAGACGAAGTTGAAGAGATGGGAACATTCTCAGTGGCCAGTGAGGAAG TCATGAAGAACAGAGCCGTAAAGAAGGCAAAGCGCAGAAACGTTGGATTTGAATCTGATAGCGGAGGAGC CTTTAAAGGTTTCAAAGGTTTGGTTGTGCCTTCTGGAGGAGGAGGGTTTTCTGGATTTGGTGGCTCTGGA GGAAAGCCTCTGGAAGGACTGACAAATGGAAACAGCACAGACAATGCCACGCCCTTCTCCAATGTAAAGA CAGCAGCAGAGCCCAAGGCAGCCTTTGGTTCTTTTGCTGTGAATGGCCCTACTACCTTGGTGGATAAAAA GATTTCAAGTCCCAAATGCAATAACAGCAATCAGCCGCCCTCCTCCGGCCCTGCTTCCAGTACCGCCTGC CCTGGGAATGCCTATCACAAGCAGCTGGCTGGCTTGAACTGCTCCGTCCGCGATTGGATAGTGAAGCACG TGAACACAAACCCGCTTTGTGACCTGACTCCCATTTTTAAAGACTATGAGAGATACTTGGCGACGATCGA GAAGCAGCTTGAGAATGGAGGCGGCAGCAGTTCTGAGAGCCAGACAGACAGGGCGACGGCTGGAATGGAG CCTCCTTCCCTTTTTGGTTCAACAAAACTACAGCAAGAGTCACCATTTTCATTTCATGGCAACAAAGCGG AGGACACATCTGAAAAGGTGGAGTTTACAGCAGAAAAGAAATCGGACGCAGCACAAGGAGCAACAAGTGC CTCGTTTAGTTTCGGCAAGAAAATTGAGAGCTCGGCTTTGGGCTCGTTAAGCTCTGGCTCCCTAACTGGG TTTTCATTCTCTGCTGGAAGCTCCAGCTTGTTTGGTAAAGATGCTGCCCAGAGTAAAGCAGCCTCTTCGC TGTTCTCTGCTAAAGCATCCGAGAGTCCGGCAGGAGGCGGCAGCAGCGAGTGCAGAGATGGTGAAGAAGA GGAGAATGACGAGCCACCCAAGGTAGTGGTGACCGAAGTAAAGGAAGAGGATGCTTTCTACTCCAAAAAA TGTAAACTATTTTACAAGAAAGACAACGAATTTAAAGAGAAGGGTGTGGGGACCCTGCATTTAAAACCCA CAGCAACTCAGAAGACCCAGCTCTTGGTGCGGGCAGACACCAACCTAGGCAACATACTGCTGAATGTTCT GATCGCCCCCAACATGCCGTGCACCCGGACAGGAAAGAACAACGTCCTTATCGTCTGTGTCCCCAACCCC CCACTCGATGAGAAGCAGCCCACTCTCCCGGCCACCATGCTGATCCGGGTGAAGACGAGCGAGGATGCCG ATGAATTGCACAAGATTTTACTGGAGAAAAAGGATGCCTGAGCACTGAGGCTGACCAAGGCATGTTGCCA CGTTGCTGCTTCCCCTCCGTCCCTAACTTAGTCACATTCTTTCCTCTTCTACTGTGACATTCTGAGAACT TCTAGGTAACTTGAACTTTTGTGAGGAAGATTAAGGCCAATAAATCCTTTCAGTGTGTCGAAGCTCTTCT

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CCCTTCCTAAGAACTAAGCAAAATACATTGGAGTGAAAAGTGTGGGAAGATGGTTTTTAATGTTGATTCA
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GTGTTAGCTTTTGAATGAGCCTTTAAGGAAGTGTAACAATCCATGAAATGTGAATAAATGGAAAGTTGAA
AAACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: BC065102

Insert Size: 1401 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:	BC065102, AAH65102
RefSeq Size:	4798 bp
RefSeq ORF:	1401 bp
Locus ID:	18141
Cytogenetics:	15 40.25 cM
Gene Summary:	Component of the nuclear pore complex that has a direct role in nuclear protein import (PubMed:10811608). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:16222336). Interacts with regulatory proteins of cell cycle progression including CDKN1B (PubMed:10891500, PubMed:10811608). This interaction is required for correct intracellular transport and degradation of CDKN1B (PubMed:10811608).[UniProtKB/Swiss-Prot Function]