

Product datasheet for **MC224588**

Nup214 (BC039282) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup214 (BC039282) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup214
Synonyms:	CAN, RP23-55I14.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC039282 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGTACCCCAAACACAGGGATGAAGCCTTCGTTCCCTCCCTCGGCCTCTTCGGTAAAGTCAACC
TGAATGAGAAGTTCACCGCTGTGGCCTCCTCTGCACCTGTTTCATAGCTCCACGAGCACACCCTCCGTGTT
GCCGTTCTCCTCCTCCCGAAGCCAACGGCTTCTGGACCACTCAGCCATCCTACGCCTCTCCAGCATCA
TCCAGCTCCATGCCTTTGAAGTCTTCGGTCTCCTCCCTCGCCAGCAGCTGGCCGCTCCACTCAGACTGCGC
CAAGTTCAGCACCTCCACAGGGCAGAAATCACCCAGGGTAAACCCTCCAGTGCCAAAGTCAAGTCTTTC
TCAGGCCAAGGCACTTCAGCCTCCTGTCACAGAGAAACAGAGGCCCTCAGTGGAAGACTCAGACCCCGTG
CTGGCTGGGATTGGAGAGGAGATTGCACACTTCCAGAAAGAACTAGAGGAGTTAAAGGCCGGACCGCCA
AAGCCTGTCTCCAGGTTGGCACCTCAGAAGAGATGAAGATGCTGCGGACAGAGTCAGATGACTTGCACAC
CTTTCTTTTGTAGATTAGAGAGACCACAGAGTCTTTCATGGAGACATAAGTACTCTGAAAACACTTTG
CTGGAGGGCTTTGCTGGGGTCAAGAAGCCAGAGAACAGCACGGAAGAAATCACGACTCTGGGTATCTCC
ACCTGCTTTATAAAAGACCGCTGGATCCAAGAGCGAGGCCAGCTCCAGGAAATTCGCCGCTTACCA
GTACGTGAAATTTGCTGTCCAGGATGTGAATGACGTCTTAGACTTAGAGTGGGATCGGCATCTGGAGCAG
AAGAAGAGACAGAGGCGCTAATTGTGCCAGAACGAGAGACACTTTTCAACACGCTAGCCCAACACCGGG
AGATCATCAACCAGCAGAGGAAGAGGCTGAATCAGCTGGTGGACAGTCTGCAGCAGCTCCGTCTCTATAA
CCACACGGCCCCGTGGAGCCTGCCTCAGCGCTCTCAACTCAGAGCAACAGTCACAGTTTTGACAGTGAC
CTTGAATGCCTGTAAAACTACCATTGAATCTCACACCAAGCCTTCTCCAGAGTGCCAGGTAATTTGT
CCCCGGCGAAACAGGCCAACTGAGGAACCTTGGCCAAAAGGAAGACCCACCAGTGAGGTCTACTGC
TCCAGCCAGCCTGTCCCGTTCAGCCTTCTATCTCAGAGTACTATGAAGACTTAGATGAAGGCAGCTCC
GCGTCATCCGTAGCTCAGCCTCTGGAGGGAGAAGATGCCCGCCAACCTGCACATCTGTAGCTCAGCCTC
TGGAGGGAGAAGATGCCAGCCAATCTGCAAAGAGGAAGAGGCTGTGGTCCAGTACCTCGGCATGCCCC
TGTGGTCCGCACACCTTCTATCCAACCCAGTCTCCTGCCTCAGTCGATGCCCTTTGCAAAGCCTCACCTG



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ATCCATAGTTCTTCACCTGCCGTGATGAGCTCTGCAGTCTCTACGTCAGCCACCAAAGTTATTCCTCAGG
 GAGCAGACAGCAATGCTGGCACTAAAACAGTAAAGCACGGTGCACCAGGTCCTTCCCACACTGTTGC
 AGCTCCCCAGGCCGACGTGCTGCAGCCCTAAGACGGCAGATGGCCAGTCAGGCACCAGCTATGAGCACT
 CTGACCGAATCAACTCTGAAGACTGTCCCTCAGGTGGTGAATGTACAGGAACTGAGGAGTAAATCCCTCGC
 CCCCATCTGCGGCCATGGGTTCTGCCGTGCAGCACTCAGCAGCCAAAACACCCCATGCTGTGTTAACCC
 CGTGGCTAACAGCCAAGCCAAGCAGGGTCTCTGATAAATCTTTCAAGCCGTCAGGACCCACAGCAGCA
 TCCTGTGACGTCTCCTCTGGGGATAAAGCTGTAGGTCAAGGGACAGCCAAGACAGATCCGCTGCGACCT
 CGACTCCATCTGCTGCAGGACAGCTCAACAAGCCTTTCTATTGCGCTCCCAGGGACCTTTACTTTTGG
 GACAATCACACCAACCCCATCTTCTAGTTTCACTGCCACACCAGGGGAGGACCCCTACTAAAGAGCCA
 ACCCAGCTTGAGGCATTCTATTGGCGGGGGAGGCAAACCTTTCTGAGGCCATTCTGGAAGACTCCC
 CTGCCACAGGAGCAACATCGGCACCCAGCACTTCTGTAACAGCTGCCTCTCTGGAAGACTGCTCCATC
 CAGCAGCAAACCTGCAGCTCCTCTGAACTACTGTGCTCTGCTTCTAGCAAATTGGAAGACTCCACCG
 TCCAAGTTAGGAGAGCTTCTGTTCCCAAGCTCTAGCTGGAGAGACGCTGGGGAGCTTCTCGGGCTGC
 GTGTTGGCCAAGCTGAGGATTCTACTAAGCCAGTTAGTAAGGCCCTCTCCACAAACCTAGCTGGAGCCCA
 GCCAGCTAAGCCCTCAGGGGTTAGCTTTCTAATACTTCACTGTTAGGGAAGCCAGTGGAGCCCGCTGTG
 ACCTCCTCTGTGAGCCCCGCCACAGCAGCACCAGCCTCAGCTCTGAATGTGAGCACTAGCAGTTCCTCAG
 CAACTGTCTTTGGCAGTGTGCCCTTACCAGTGTGGACCTCCTGGGCTCATCAGTTTTGGTGGGGCTGC
 TTTGGCTAGTAGCAAAGCTAGTTTCTATTGGAAACCAGCAGACTAGTAGTAGTACAGCATCATCAGCT
 ACCCCAACATCGACCTCAGTTGCCCTTCCCTTCCAGCATCTTTCCCTACTTTGTCAATTTGGTGGCTCC
 TGAGTTACCACATCAGTCTTCCCTGCCGTGCTCTGGTAAGAGTACAGAGGAGGCAGCACCACCAGC
 TGTTCTGACAAGTCAGACAGCAGTGAAGTTTTCAGCAACAACACCCTCACTTCCAGTACAGCCACAGTCA
 ACCCAGGCATCTCTGCAAACCTTCTGACCCTGTCAAAAAAGAACCTGTTCTTGTGCAGACCACAGCAGCA
 GCCCCAGCAGACCAGCATCTTCTGCCAGCTTGTGGCATCCACAGAGTCCATGCCAGTAAACCTAGGGGC
 CCTGACAGCAAGATAGAGGCAGTGTCTCTGCGTCCACCTTTGACAGGGCCTGGACAGGCTGCTGTGGCA
 ACAGCTGTTCTCCAGGAGCAGGCTCGGCAGCCACTGAAGCATCGGGTACCCCTACCACCTCCACTGTCT
 CCAGCAGTAGCCAACTTCTGCCACAGAGACAGCTGTATTTGGGACTGCCACATCTGTTTCTCAGTCTT
 TACACAGCCACCTGCTGCCAGTTCTAGCTCAGCGTTCAGCCAGCTCTCCAGTAACACAGCCACTGCGCCC
 TCTGCCACCCCTGTGTTTGGCAAGTGGCAGCCAGCATAACCAGCACAGCCGCTGCCACACCACAGGCCA
 GCAGTTACAGGTTTGGCAGCCCTGCATTTGGTGTTCAGCTCCTGGAGTGTTCGGACAGACAGCATTGG
 GCAGACCCAGCCTTTGGCAAGCAACAAGCAGCCCTGCCAGTGGCTTCTCTTACGCCAGCCTGGGTTT
 AGTTCCGTGCCTGCTTTGGCCAGTCTGTCTCCTTACCCCGCATCCACCAGTGCAAATGTCTTTGGAG
 CCACCTCGAGTACCAGCAGTCTGGTTCCTTCTCATTGGACAGGCTTCTACCAATACAGGAGGGAGCCT
 GTTTGGTCAAAACAACCTCCTGCTTTTGGTCAAGCCCTGGCTTTGGGAGGGAAGCTCTGTGTTTGGT
 GGCACCTCGGCCACTACCTCTACAGCAGCACCTTACAGGTTTGTGTTTGTCAAGCCTCCGGTTTTGGGT
 CTAGTAATACTGGTTCTGTGTTTGGCCAGGCAGCCAACACTGGTGGGTGAGTCTTTGGCCAGTATCCAC
 TTCCAGTGGTGGCGTGTGTTGGTCTGGAATGTACAAGAGGGGGCGGTTTCTTCAAGTGGCCTGGAGGA
 AAACCCAGCCAGGATGCTGCCAACAACCCCTTCCAGCTCAGCCGGTGGGGCTTTGGATCTACAGCTG
 CCCCATACTCTAATCTGTTTGGAAACAGTGGAGCTAAGACATTTGGAGGTTTGGCAGCTCATCCTT
 CCGGGAACAGAGCCTGCCGGCACATTCAGCTCTGGCGTGGGAGCGTAGCATCCCAAGGTTTTGGATTT
 TCCACTCAAATAAAACAGGTGGCTTCCGTGCTCCAGTGTGTTGGCAGCCCTCTACTTTTGGGGGAT
 CCCCTGGGTTTGGAGGGGTGCCAGCATTGCTTACGCCCCAGCCTTTACAAGCCCTCTGGGCTCGACGGG
 AGGCAAAGTGTTCGGAGAGGGTACTGCGGCTGCCAGCGCAGGCGGATTCCGGTTCGGGAGCAGCGGCAAT
 ACTGCATCCTTCGGTACCCTCGCCAGTCAGAACGCACCCACCTTCCGGTCTTGTCCCAGCAGACCTCAG
 GCTTTGGGACCCGAGCAGTGGATTGCTGGGTTTGGATCGGGCACAGGAGCCTTACCTTTGGATCATC
 TAACTCGTCTGTCCAGGGCTTCCGTGGCTGGAGAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

BC039282

Insert Size:	4590 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:	<u>BC039282</u> , <u>AAH39282</u>
RefSeq Size:	4962 bp
RefSeq ORF:	4589 bp
Locus ID:	227720
Cytogenetics:	2 21.97 cM
Gene Summary:	May serve as a docking site in the receptor-mediated import of substrates across the nuclear pore complex.[UniProtKB/Swiss-Prot Function]