

Product datasheet for MC225163

Nup214 (NM_172268) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nup214 (NM_172268) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nup214
Synonyms: BC039282; CAN; D2H9S46E
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225163 representing NM_172268
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGAGACGAGATGGATGCCATGATCCCTGAGCGGGAGATGAAGGACTTTCAGTTTAGAGCACTGAAGA
AAGTGAGGATCTTTGACTCTCCTGAAGAGTTGCCAAGGAGCGCTCGAGTGTGCTTACCATATCCAATAA
GTATGGTATGCTCTTCGCTGGTGGCACCAATGGCTTGAATGTTTTCTACTAAAAGCCTCTTATCCAA
AATAAACCTGGAGATGATCCAATAAAATTGTTGACACAATCAAGGCTTGAATGTTCTATGAAATCC
CAGTCCATCACCTAGCACTGAGCTGTGATAGTCTTACACTCTCTGCCTGCATGATGTCTAGTGAATACGG
CTCCATTATAGCTTTTTTGTGTTTCGCACATTTTCAAATCAGGCTAAACCATTGAAACGTCCATTTACC
TATCACAAGGTTTCAAACGATGCCAGCGGAATGGTGAATGATATGAAGTGAACCCCACTGTCCCTTCCA
TGGTGGCAGTTTGTCTGGCTGATGGCAGTATTTCTGTCTTGCAAGTTACAGATGTGGTGAAGTATGCGC
CACACTTCTCCTCCACAGGAGTCACATGTGTATGCTGGAGCCCCAAAGGAAAGCAGCTGGCAGTAGGA
AAGCAGAATGGAAGTGTGGTCCAGTACCTTCTACTTTGCAGGAAAAAAGGTCATTCCATGTCCCTCCAT
TTTATGAGTCAGATCATCCTGTGACAGTCTGGATGTGCTATGGATTGGTACATATGTCTTACAGTATG
CTATGCTGGTGCAGATGGAACCTTGGAGACCTGTCCAGATGTGGTGTGGCTCTACTCCCGAAAAAAGAA
GAAAAGCATCCAGAAATATTTGTGAACCTCATGGAGCCCTGTACAGCAGCTGCACAGAGAGACAACATC
ATTACTACCTCAGCTACATCGAGGAGTGGGATTTAGTGTGCTGGCAGCATCTGCAGCTTCTACAGAAGTTAG
CATCCTTGCTCGACAAAATGATCAGACTAATTGGGAATCTTGGCTGCTGGAGGACTCTAGTCGAGCTGAA
CTGCCTGTGACAGACAAGAGTGTGACTCCTTGCCCATGGGTGTTGCCATAGATTATACCAATGAAGTGG
AAGTCAACATCAATGAAGAAAAGACTCTCCGCTGCTCCGGTCTCCTGTTACTTTCAACAGATGGTGT
GCTTTGTCCATTTATATGATCAACAAAATCCTGGGGTTAGGTCCTAATCAAGACCTTGAAGTATGATC
TCAACAGAAGGAGAGCGACAGCCTAAGTCTCAGGAAGTTTTCTGGTACTCCATCTTCCCCTCAAGCTC
CACAAAACCTGGACGCTCCAGCAACAGCCTCTTCGCTCTCCACTGTGTCGCTGCTCCACCTCCAC
CTTCCCTATGCCCTCTGCTGCAGGAAGCCCTTCTGTGTTCTCCTTTGGCCCTTATCCTTCAAGTCTTCT
GCTTCTGTACCGGGGAGCCCCACTGTACCCCACTGGCTCCGACAGCTCCAGAGCAGCACCAGGCTCTG



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GCACCTCACTTTCTCTTTTGTCTCCTTCCAAAGGCTCCCTGGCGTCGACCCCTGCAGTGGCTCCTGT
 GGCCACATCTGCTGCTCCCTTCACTTTTGGTTTTAAGCCACCTTGAAAAGCACACCTATGTCCAGTACC
 CCAAACACAGGGATGAAGCCTTCGTTCCCTCCCTCGGCCCTTTCGGTGAAAGTCAACCTGAATGAGAAGT
 TCACCGCTGTGGCCTCCTCTGCACCTGTTTCATAGCTCCACGAGCACACCCCTCCGTGTTGCCGTTCTCCTC
 CTCCCCAAGCCAACGGCTTCTGGACCACTCAGCCATCCTACGCCTCTCCAGCATCATCCAGCTCCATG
 CCTTTGAAGTCTTCGGTCTCTCCCTCGCCAGCAGCTGGCCGCTCCACTCAGACTGCGCCAAAGTTCAGCAC
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 AGGCCAACTGAGGAACCTTGTGGCAAAGGAAGACCCACCACTGAGGTCTACTGCTCCAGCCAGCCT
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 CGCAGCTGCTGCAGCCCTAAGACGGCAGATGGCCAGTCCAGGCACCAGCTATGAGCACTCTGACCGAATCA
 ACTCTGAAGACTGTCCTCAGGTGGTGAATGTACAGGAACTGAGGAGTAATCCCTCGCCCCATCTGCGG
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 CCAAGCCAAGCAGGGTCTCTGATAAATCTTTCAAGCCGTGAGACCCACAGCAGCATCCTGTCAGCTG
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 AACCCCATCTTCTAGTTTCACTGCCACACCAGGGCAGGACCCCTACTAAAGAGCCAACCCAGCTTGAG
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 CAACATCGGCACCCAGCACTTCTGTAACAGCTGCCTCTCTGGAAGACTCTGCTCCATCCAGCAGCAAACC
 TGCAGCTCCTCCTGAAACTACTGTGTCCTCTGTTCTAGCAAATGGAACTCCACCGTCCAAGTTAGGA
 GAGTTCTGTTCCCAAGCTCTCTAGCTGGAGAGACGCTGGGGAGCTTCTCGGGCTGCGTGTGGCCAAG
 CTGAGGATTCTACTAAGCCAGTTAGTAAGGCCTCCTCCACAACTAGCTGGAGCCAGCCAGCTAAGCC
 CTCAGGGGTTAGCTTTCTAATACTTCAAGTGTAGGGAAGCCAGTGGAGCCCGCTGTGACCTCCTCTGTG
 AGCCCCGCCCCAGCAGCACCAGCCTCAGCTCTGAATGTGAGCACTAGCAGTTCTCAGCAACTGCTTTTG
 GCAGTGTGCCCTTACCAGTGTGGACCTCCTGGGCTCATCAGTTTTGGTGGGGCTGCTTTGGCTAGTAG
 CAAAGCTAGTTTCTATTTGAAACCAGCAGACTAGTAGTAGTACAGCATCATCAGCTACCCCAACATCG
 ACCTCAGTTGCCCTTCCCTTCCAGCATCTTCCCTACTTTGTCAATTTGGTGGCCTCCTGAGTTCACCAT
 CAGCTTCTCCCTGCCGTGTCCTCTGGTAAGAGTACAGAGGAGGCAGCACCACCAGCTGTTCTGACAA
 GTCAGACAGCAGTGAAGTTTTCAGCAACAACACCCTCACTTCCAGTACAGCCACAGTCAACCCAGGCATCT
 CTGCAAATCTGACCTGTCAAAAAGAACCTGTTCTTGTGACAGCCACAGACAGCAGCCCGCAGCAGAC
 CAGCATCTCTGCCAGCTTTGTGGCATCCACAGAGTCCATGCCAGTAACCCTAGGGGCCCTGACAGCAA
 GATAGAGGCAGTGTCTCTGCGTCCACCTTTCAGGGCCTGGACAGGCTGCTGTGGCAACAGCTGTTCTC
 CCAGGAGCAGGCTCGGCAGCCACTGAAGCATCGGGTACCCTACCACCTCCACTGTCTCCAGCAGTAGCC
 CAACTTCTGCCACAGAGACAGCTGTATTTGGGACTGCCACATCTGGTTCTCAGTCTTTACACAGCCACC
 TGCTGCCAGTTCTAGCTCAGCGTTCAGCCAGCTCTCCAGTAACACAGCCACTGCGCCCTCTGCCACCCCT
 GTGTTTGGGAAGTGGCAGCCAGCATAACCAGCACAGCCGCTGCCACACCACAGGCCAGCAGTTCAGGGT
 TTGGCAGCCCTGCATTTGGTGTTCAGCTCCTGGAGTGTTCGGACAGACAGCATTGGGCAGACCCAGC

CTTTGGGCAAGCAACAAGCAGCCCTGCCAGTGGCTTCTCCTTCAGCCAGCCTGGGTTTCAGTTCCTGCCT
 GCTTTCGGCCAGTCTGTCTCCTCTACCCCGCATCCACCAGTGCAAATGTCTTTGGAGCCACCTCGAGTA
 CCAGCAGTCTGGTTCTTCTCATTGGACAGGCTTCTACCAATACAGGAGGGACGCTGTTTGGTCAAAA
 CAACCCTCTGCTTTTGGTCAGAGCCCTGGCTTTGGGCAGGGAAGCTCTGTGTTTGGTGGCACCTCGGCC
 ACTACCTCTACAGCAGCACCTTCAGGGTTAGCTTTTGTCAAGCCTCCGGTTTGGGTCTAGTAATACTG
 GTTCTGTGTTTGGCCAGGCAGCAACACTGGTGGTCAGTCTTTGGCCAGTCATCCACTCCAGTGGTGG
 CGTGTGGGCTGGAAATGCTACAAGAGGGGGCGTTTCTTCAGTGGCCTTGAGGAAAACCCAGCCAG
 GATGCTGCCAACAACAAACCCCTTCAGCTCAGCCGGTGGGGCTTTGGATCTACAGCTGCCCAAATACCT
 CTAATCTGTTTGGAAACAGTGGAGCTAAGACATTTGGAGGGTTTGGCAGCTCATCCTTCGGGGAACAGAA
 GCCTGCCGGCACATTCAGCTCTGGCGTGGGAGCGTAGCATCCCAAGTTTTGGATTTTCCACTCCAAAT
 AAAACAGTGGCTTCGGTCTGCTCCAGTGTGGCAGCCCTCTACTTTGGGGATCCCTGGGTTTGG
 GAGGGTGGCCAGCATTGGTTCAGCCCCAGCCTTACAAGCCCTCTGGGCTCGACGGGAGGCAAAGTGT
 CGGAGAGGGTACTGCGGCTGCCAGCGCAGGCGGATTGGGTTGGGAGCAGCGGCAATACTGCATCCTTC
 GGTACCCTGCCAGTCAGAACGCACCCACCTTCGGTCTTGTCCAGCAGACCTCAGGCTTTGGGACCC
 CGAGCAGTGGATTGCTGGGTTGGATCGGGCACAGGAGCCTTACCTTTGGATCATCTAACTCGTCTGT
 CCAGGGCTTCGGTGGCTGGAGAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_172268

Insert Size:

6258 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_172268.2, NP_758472.2

RefSeq Size:

8195 bp

RefSeq ORF:

6258 bp

Locus ID:

227720

UniProt ID:

Q80U93

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]