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Product datasheet for MC206138

Nup85 (BC079856) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup85 (BC079856) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup85
Synonyms:	frount; Pcnt1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC079856
GAGGCCTGAGCGCAGAGAAGCGGCCGCGCGGCAGGGTCCCAGCCGCGGGGGGCACGGCGCTATGGAGGAG
CTCGACTGCGAGCCCGCAGTAACTTGGATTCCAGGTGTGAATTCCAAGAAGAAGCAAATGTGTTTTGACT
GGGGCCCCGGCGAGATGCTTCTGTGTGAAACTTCCTTCAACCAAACAGGCAAATCAGAGAAGGTGCCGAG
CTGCCCTTTTATCTACATCATACGGAAAGATGTGGATGTTTACTCTCAAATTTTGAGAAAACTCTTCAAT
GAATCCCATGGAATCTTTGTTGGCCTGCAAAAAATTGAGGAAGAACTGTCGGGGAAGTCCAGGAAAGCTC
AATTGGTTCGAGTGAGTAAAAATTACCGTTCAGTCATACGGGCCTGTATGGAAGAAATGCATCAGGTTGC
AATTGCTGCTAAAGATCCAGCCAGTGGCCGGCAGTTCAGCAGCCAGGTCTCCATTTTGTCAGCCATGGAG
CTCATTTGGAACCTGTGTGAGATTCTCTTTATTGAAGTAGCACCAGCTGGCCCTCTCCTCCTTCACCTTC
TTGACTGGGTCCGACTGCACGTGTGCGAGGTGGACAGTTTGTCGGCAGATGTCCTGGGCGGTGACAACCC
AAGCAAGCATGAAAACTTCTGGGACCTGGTGACTGTTCTGGTGCTTCAGGGCCGGCTCGATGAGGCACGG
CAGATGCTAGCCAAAGAAGCTGATGCCAACCCCTCTTGTGCAGGCATGTGCCGCGTCCTTGGGGACCTGA
TGAGGACAATGCCCATTCTCAGCCCTGGCAATACTCAGACACTGACAGAGTTGGAGCTGAAGTGGCAGCA
CTGGCGTGAGGAGTGTGAAAGACACTTACAAGACAACACATTTGCAGCCAACCCCCGTCTGGAGTCTCTC
TGCAAGATCATGCTGGGAGATGAGGCCGCCTTGTTGGAGCAGAAGGAGCTTCTGAGCAACTGGTACCATT
TCTTAGTGACGAGGCTGCTGTACTCTAACCCCACAGTGAAGCCCATTGACCTGCACTTCTATGCCCAGTC
CAGCCTAGACATGTTTCTTGGAGGTGAGAGCAGTCCAGAACCACTGGACAACATCTTGATGGCGGCCTTT
GAGTTCGACATTCACCAGGTGATCAAAGAGTGCAGCATCGCCCTGAGCAACTGGTGGTTCGTAGCTCACC
TCACAGACCTTTTGGATCACTGCAGACTCCTCCAGTCACACAATCTCTATTTTGGTTCTAACATGAGAGA
ATTCCTCCTGCTGGAGTACGCCTCAGGACTGTTTGCTCACCACAGCCTGTGGCAGCTGGGGGTGGACTAC
TTTGATTACTGCCCGGAGCTAGGCCGAGTTTCCTTGGAGCTGCACATTGAGCGGATTCCTCTCAACACAG
AGCAGAAAGCCTTGAAGGTGCTGAGGATTTGTGAGCAGCGGCAGATGACTGAGCAAGTTAAAAGCATCTG
TAAGATCTTGGCCATGAAGGCTGTTCGTAATAACCGCTTGGGCTCAGCACTCTCCTGGAGCATCCGTGCC
AAAGATGCTGCCTTTGCCACACTCGTATCTGACAGATTCCTCCGGGATTACTGTGAGAGAGGCTGCTTTT
CTGACTTGGATCTCATTGACAATCTGGGGTCAGCCATGATGCTCAGTGATCGACTGACGTTTCTGGGAAA
GTACCGGGAGTTCCACAGACTGTACGGGGAGAAGCGCTTTGGTGACGCTGCTTCTCTTCTGCTGTCCCTC
ATGACCTCTCAGATTGCACCTCGTTCTTTCTGGATGACTCTGCTCACAGATGCCCTTCCTCTTTTGGAAC
AGAAACAGGTGATTTTTTCAGCAGAGCAGACATATGAGCTGATGCGGTGCCTGGAAGACTTGGCCTCAGG
GAGGCCAGAGTGTGGTGAACCTGATGCCCAGCGACTGCAGGATGACGACATAGAGACCACCAAGGTGGAG
ATGCTGAGACTGGCTCTTGCCCGGAATCTTGCTCGGGCAATTATAAGGGAAGGCTCACTGGAGGGTTCCT
GAGAGAAGATGAGGACAGTTGCAATATAGTAACTTTGTATGGCAATGTAAATAGATTTTAAAGAATAAAT
TGTTTTGCAAATATAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: BC079856

Insert Size: 1971 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).

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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:	BC079856, AAH79856
RefSeq Size:	2133 bp
RefSeq ORF:	1971 bp
Locus ID:	445007
Cytogenetics:	11 E2
Gene Summary:	Essential component of the nuclear pore complex (NPC) that seems to be required for NPC assembly and maintenance. As part of the NPC Nup107-160 subcomplex plays a role in RNA export and in tethering NUP96/Nup98 and NUP153 to the nucleus. The Nup107-160 complex seems to be required for spindle assembly during mitosis. NUP85 is required for membrane clustering of CCL2-activated CCR2. Seems to be involved in CCR2-mediated chemotaxis of monocytes and may link activated CCR2 to the phosphatidyl-inositol 3-kinase-Rac-lammellipodium protrusion cascade. Involved in nephrogenesis.[UniProtKB/Swiss-Prot Function]

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