

Product datasheet for MC223907

Pom121 (NM_148932) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pom121 (NM_148932) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pom121
Synonyms: 2610027A18Rik; C80273; mKIAA0618
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223907 representing NM_148932
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCCGGCGGCTGCGGGCTGACGGAGGCGAGCGGGCGGGCCCCCGTTGGGCGGACGGGAAGGCC
 GGAGCCGGGCCCCGGCTACGGAGGACCGGGGTGCTGCGGCCCTCGGCTAGCGCTGCTCGGCCCTCGC
 GCTCTACCTGGTCCCGCGGGCGCGCTGGCTGGCTGGCGGTGGGGCGAGCGGGCTGGTGGGGC
 CTGAGCCGAGAACCCCGGGCCGAGGGCCCTGTCGTCCTTCGTGCGCGACGCGCCGCTACCCGCGGC
 CAGCTCTACCGCTTACCGCCTCCGGCAAGTACCAGTCAACGGTAGCCTCTGCGAACCCCGAGCCC
 GCTGGGAGGCCCGACCCGGCTGAGCTCTTACTCATGGGAGCTACCTGGGCAAGCCCGGCCCGCCGAG
 CCTGCCCTCCGGCAGGACCAAGGGAGAGGGCGGGGCGCCACCCGACGCTCCCGCCTCCGGCCT
 CGGCGGTCCAGGAGTCCACCAGTCTACCCGCGCTCCCAACCCGCTTTTGGGACCTCCCGGAGGCC
 GCCCCACCGAGATTGTGGGCCTTTGTCCAGTCGGTTTGTATAACACCCGAAGACGATATCCCATTAG
 CAAGCCAGTATTCCTTGTGGGCACTTCCAACCGTCTGCTGGAATGGTGGCCATAAGAAGGCTGTGC
 TGTCTCCACGGAAGTCCAGGATGGTGTGCAGCCAGTACAGTGGAGGATGCCCCCAGAGCAAGCT
 ATTCGCTCATCAATGTCAGAGCAGATACTCGATACAACACTGTCTTACCATCAAGTAATGCCCCAGAT
 CCTTGTGCAAAGGAGACTGTCCTGAACGCCCTCAAGGAGAAGAAGAAAAGAACAGTGGCGGAGGAAGACC
 AGCTGCACCTTGTGGCCAGGAAAACAAGAGAAGGCGCCATGATAGCGGTGGGAGCGGACATTACGATT
 CGAGCCCCCTTGTGGCAACGGAGTCCCTGCTGATTTGTGCTAAGCCTGGCTCCCTGAAGAGAAGTCTG
 GCTTCCCAGAGCTCAGATGACCACTTGAACAAACGGTCTCGCACCTCCTCTGTGAGCTCCCTGGCTAGT
 CGTGCACAGGAGGATCCCCAGTCTAGCCGAATGCCATCACCAGCTCCTACAGCTCCACCCGTGGCAT
 CTCACAGCTGTGGAAGAGGAGTGGTCCCACATCTTCTCCCTTCTCCAGTCCAGCTTCTCCCGCTCCAG
 ACACCAGAGAGGCCAGCAAGAAGACAAGAGAGGAGGAGCCATGTCAGCAGTCCAGTTCTTACCTCCCT
 TGGTGACAGACAAGGAGTCCCCAGGAGAAAAGGTTACAGATACAACCACTGGGAAGCAGCAGAGCTCATG
 GACTTCCCCACCCACCTGGCAGCTCCGGGCAACGAAACGCAAGATCCAGCTGCTGCCCTCCCGCGCA
 GGGGACCAGCTACCTTGCTCCACCCAGAGCTTGGCTATTCCATCACTGCTGAAGACCTGGACATGG



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AGAGGAAAGCCTCACTGCAATGGTTTAAACAAGGTCTTGGAGGACAAGCCAGATGATGCTTCCGCCTCAGC
CACTGATGGCCCCCTTCCACCAGCCCTCCCTTACATTCACCCTGCCCGCTGTGGGGCCTGCTGCCTCG
CCAGCCTCCCTCCCGGCTCCCAGCTCTAACCCACTGTTGGAGAGCTTGAAGAAGATGCAGGAGTCTCCAG
CCCCATCATCCTCGGAACCTGCTGAGGCAGCAACAGTTGCAGCCCCTTCCCTCCGAAGACACCCAGCCT
CTTGGCCCCTCTGTCTCACCCTGGCAGGGCCCCTAGCCAGCACCTCCTCAGACTCCAAACCTGCAGCC
ACCTTCTGGGGCTGGCTTCTGCTTCGTCTATAACCCCACTCACTGACAGCAAGTCTCTGGAGTCTCTC
AGGCTGAGCAGTCTGTGAGCAGCCAGCCTCCACAGCCTCCTCCCGACCCCAAGCCAGCATGCTGTT
TGGGATGCTGAGTCCACCTGCCAGCTTCTCCTCCCTTGCCACTCCAGCTCCGGCTTGTGCTTCTCCATG
TTTAAGCCCATTTTTCCAGCCACACCTAAAAGTGAGAGTGATAGCCCCTTACCAAGTAGCTCCTCAGCCG
CCACTACAGTTCATCCAGCACCGCCCTCCACAGCAGCCAGCACCACACCCAGTTCAAGCCATTTT
TGACAAGATGGAGCCATTACAGCCATGCCCTGTCAACTCCCTTCTCCCTGAAGCAGACAACTGCTACA
GCCACCACTACAGCCACATCAGCTCCTCTTTACTGGCCTGGGACTGCCACTTCCACGGTGGCCTCTG
GCACCGCAGCTTCTGCCTCAAAGCCTGTCTTTGGCTTTGGAGTGACCACTGCAGCGAGTACTGCCAGCAG
TACCATGACTTCCACTTCCAGTCAGTTCTGTTGGGGGAGCCCCCTGTTACTACTTCTAGCTCTGCC
CCAGCTCTGGCCTCCATCTTCCAGTTTGGCAAGCCTTTCGCCAGCAGCATCTGCAGCAGGCACCTCCT
TTAGCCAGCCCCTTGCCAGCTTACCCAGACTGCTGCCAGCAATAGTGGCTTCACTGTTTGGCAGCAC
CCTCACCACCTCCACCTCGGCCCTGCCACCAGCTCAGCCACGCTGACCTTACAGCAACTGTCAACC
CCCACCTTCAACATTCCTTTAGCTCCAGTGCCAAAGCCTGCGCTCCCAACCTACCCTGGAGCCAACCTCAC
AGCCACATTTGGAGCCACCGATGGGGCCACCAAGCCAGCACTTGCCCAAGTTTGGCAGCTCGTTTAC
TTTCGGCAACTCTGTGGCCTCAGCCCCATCGGCAGCCCCAGCACCAGCCACCTTTGGCAGTGTGCACAG
CCAGCTTTCGGAGGGTTGAAAGCCGAGCCTCCACCTTCGGCGCCCTGCCAGCACTCAGCCAGCTTTTG
GTAGCACCACGTCTGTGTTCTCCTTTGGGTGAGTACCACATCTGGCTTTGGTGTGCTGCCACCGCTGC
TACCACCACAGACCACCAACAGTGGGAGCAGCAGCTCTGTTTGGCAGCTCTGCTCCATCCCCATTC
ACATTCGGTGGCTCAGCAGCTCCTGCTGGCAGTGGAGGCTTTGGCCTTAGTGCTACCCAGCACCAGCT
CCACCTCTGGAACTTTTCAGCTTTGGATCTGGACAGAGTGGGACCCGGGACCACCACCTCCTTTGGAAG
TCTGAGTCAGAACACCCTGGGCGCACCAGCCAGGGCTCACCTTTGCCTTCACTGTGGGAGTACACCT
GAAAGCAAGCCTGTGTTTGGAGGCACATCTACACCTACTTTGGGAGAGTGCCCTGCCCCCGGCGTAG
GCACCACAGGGAGCAGCCTCTCATTGGGGCTCTTCAACACCTGCCAAGGCTTTGTTGGAGTTGGACC
TTTTGGATCAGCAGCTCCTTCGTTTTCCATTGGTGGGGATCCAAGACCCAGGGGCTCGACAGCGACTT
CAGGCCCGAAGGCAGCACACCCGAAGAAGTAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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Restriction Sites:

Sgfl-Mlul

ACCN:

NM_148932

Insert Size:

3603 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_148932.2](#), [NP_683734.2](#)

RefSeq Size: 5602 bp

RefSeq ORF: 3603 bp

Locus ID: 107939

UniProt ID: [Q8K3Z9](#)

Cytogenetics: 5 G2

Gene Summary: Essential component of the nuclear pore complex (NPC). The repeat-containing domain may be involved in anchoring components of the pore complex to the pore membrane. When overexpressed in cells induces the formation of cytoplasmic annulate lamellae (AL) (By similarity).[UniProtKB/Swiss-Prot Function]