OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>MC223907 representing NM_148932
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCCGGCGGCTGCGGCGGCTGACGGAGGCGAGCGGCGGCGGCCCCCGTTGGGCGGACGGGAAGGCC
GGAGCCGGGCCCGCGGCTACGGAGGACCGGCGGGTGCTGCGGCCCTCGGCCTAGCGCTGCTCGGCCTCGC
GCTCTACCTGGTGCCCGCGGCGGCCGCGCTGGCCTGGCTGGCCGTGGGGGCGAGCGCGGCCTGGTGGGGC
CTGAGCCGAGAACCCCGCGGCCCGAGGGCCCTGTCGTCCTTCGTGCGCGACGCGCGCCGTCACCCGCGGC
CAGCTCTCACCGCTTCACCGCCTCCGGCCAAGTCACCAGTCAACGGTAGCCTCTGCGAACCCCGCAGCCC
GCTGGGAGGCCCCGACCCGGCTGAGCTCTTACTCATGGGCAGCTACCTGGGCAAGCCCGGCCCGCCCGAG
CCTGCCCTCCGGCAGGACCCAAGGGAGAGGCCGGGGCGCCGCCCACCCGCACGCTCCCCGCCTCCGGCCT
CGGCGGTCCAGCGAGTCCACCACGTCTACCCCGCGCTCCCCACCCCGCTTTTGCGACCCTCCCGGAGGCC
GCCCCACCGAGATTGTGGGCCTTTGTCCAGTCGGTTTGTTATAACACCCCGAAGACGATATCCCATTCAG
CAAGCCCAGTATTCCTTGCTTGGGGCACTTCCAACCGTCTGCTGGAATGGTGGCCATAAGAAGGCTGTGC
TGTCTCCACGGAACTCCAGGATGGTGTGCAGCCCAGTGACAGTGAGGATTGCCCCTCCAGACAGCAAGCT
ATTCCGCTCATCAATGTCAGAGCAGATACTCGATACAACACTGTCTTCACCATCAAGTAATGCCCCAGAT
CCTTGTGCAAAGGAGACTGTCCTGAACGCCCTCAAGGAGAAGAAGAAAAGAACAGTGGCGGAGGAAGACC
AGCTGCACCTTGATGGCCAGGAAAACAAGAGAAGGCGCCATGATAGCGGTGGGAGCGGACATTCAGCATT
CGAGCCCCTTGTGGCCAACGGAGTCCCTGCTGCATTTGTGCCTAAGCCTGGCTCCCTGAAGAGAAGTCTG
GCTTCCCAGAGCTCAGATGACCACTTGAACAAACGGTCTCGCACCTCCTCTGTGAGCTCCCTGGCTAGTG
CGTGCACAGGAGGCATCCCCAGTTCTAGCCGCAATGCCATCACCAGCTCCTACAGCTCCACCCGTGGCAT
CTCACAGCTGTGGAAGAGGAGTGGTCCCACATCTTCTCCCTTCTCCAGTCCAGCTTCCTCCCGCTCCCAG
ACACCAGAGAGGCCAGCCAAGAAGACAAGAGAGGAGGAGCCATGTCAGCAGTCCAGTTCTTCACCTCCCT
TGGTGACAGACAAGGAGTCCCCAGGAGAAAAGGTTACAGATACAACCACTGGGAAGCAGCAGAGCTCATG
GACTTCCCCACCCACACCTGGCAGCTCCGGGCAACGCAAACGCAAGATCCAGCTGCTGCCCTCCCGGCGA
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

GGGGACCAGCTCACCTTGCCTCCACCCCCAGAGCTTGGCTATTCCATCACTGCTGAAGACCTGGACATGG
AGAGGAAAGCCTCACTGCAATGGTTTAACAAGGTCTTGGAGGACAAGCCAGATGATGCTTCCGCCTCAGC
CACTGATGGCCCCCCTTCCACCAGCCCTCCCTTCACATTCACCCTGCCCGCTGTGGGGCCTGCTGCCTCG
CCAGCCTCCCTCCCGGCTCCCAGCTCTAACCCACTGTTGGAGAGCTTGAAGAAGATGCAGGAGTCTCCAG
CCCCATCATCCTCGGAACCTGCTGAGGCAGCAACAGTTGCAGCCCCTTCACCTCCGAAGACACCCAGCCT
CTTGGCCCCTCTTGTCTCACCACTGGCAGGGCCCCTAGCCAGCACCTCCTCAGACTCCAAACCTGCAGCC
ACCTTCCTGGGGCTGGCTTCTGCTTCGTCTATAACCCCACTCACTGACAGCAAGTCCTCTGGAGTCTCTC
AGGCTGAGCAGTCTGTCAGCACCCCAGCCTCCACAGCCTCCTCCCCGACCCCAAAGCCCAGCATGCTGTT
TGGGATGCTGAGTCCACCTGCCAGCTCTTCCTCCCTTGCCACTCCAGCTCCGGCTTGTGCTTCTCCCATG
TTTAAGCCCATTTTTCCAGCCACACCTAAAAGTGAGAGTGATAGCCCCTTACCAAGTAGCTCCTCAGCCG
CCACTACAGCTTCATCCAGCACCGCCCCTCCCACAGCAGCCAGCACCACACCCACGTTCAAGCCCATTTT
TGACAAGATGGAGCCATTCACAGCCATGCCCCTGTCAACTCCCTTCTCCCTGAAGCAGACAACTGCTACA
GCCACCACTACAGCCACATCAGCTCCTCTCTTTACTGGCCTGGGCACTGCCACTTCCACGGTGGCCTCTG
GCACCGCAGCTTCTGCCTCAAAGCCTGTCTTTGGCTTTGGAGTGACCACTGCAGCGAGTACTGCCAGCAG
TACCATGACTTCCACTTCCCAGTCAGTTCTGTTCGGGGGAGCCCCCCCTGTTACTACTTCTAGCTCTGCC
CCAGCTCTGGCCTCCATCTTCCAGTTTGGCAAGCCTCTTGCCCCAGCAGCATCTGCAGCAGGCACCTCCT
TTAGCCAGCCCCTTGCCAGCTCTACCCAGACTGCTGCCAGCAATAGTGGCTTCAGTGGTTTTGGCAGCAC
CCTCACCACCTCCACCTCGGCCCCTGCCACCACCAGTCAGCCCACGCTGACCTTCAGCAACACTGTCACC
CCCACCTTCAACATTCCCTTTAGCTCCAGTGCCAAGCCTGCGCTCCCAACCTACCCTGGAGCCAACTCAC
AGCCCACATTTGGAGCCACCGATGGGGCCACCAAGCCAGCACTTGCCCCAAGTTTTGGCAGCTCGTTCAC
TTTCGGCAACTCTGTGGCCTCAGCCCCATCGGCAGCCCCAGCACCAGCCACCTTTGGCAGTGCTGCACAG
CCAGCTTTCGGAGGGTTGAAAGCCGCAGCCTCCACCTTCGGCGCCCCTGCCAGCACTCAGCCAGCTTTTG
GTAGCACCACGTCTGTGTTCTCCTTTGGGTCAGCTACCACATCTGGCTTTGGTGCTGCTGCCACCGCTGC
TACCACCACACAGACCACCAACAGTGGGAGCAGCAGCTCTCTGTTTGGCAGCTCTGCTCCATCCCCATTC
ACATTCGGTGGCTCAGCAGCTCCTGCTGGCAGTGGAGGCTTTGGCCTTAGTGCTACCCCAGGCACCAGCT
CCACCTCTGGAACTTTCAGCTTTGGATCTGGACAGAGTGGGACCCCGGGCACCACCACCTCCTTTGGAAG
TCTGAGTCAGAACACCCTGGGCGCACCCAGCCAGGGCTCACCCTTTGCCTTCAGTGTGGGCAGTACACCT
GAAAGCAAGCCTGTGTTTGGAGGCACATCTACACCTACTTTCGGGCAGAGTGCCCCTGCCCCCGGCGTAG
GCACCACAGGGAGCAGCCTCTCATTTGGGGCCTCTTCAACACCTGCCCAAGGCTTTGTTGGAGTTGGACC
TTTTGGATCAGCAGCTCCTTCGTTTTCCATTGGTGCGGGATCCAAGACCCCAGGGGCTCGACAGCGACTT
CAGGCCCGAAGGCAGCACACCCGCAAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US