

Product datasheet for **RR203649**

Pom121 (NM_053622) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pom121 (NM_053622) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pom121
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203649 representing NM_053622
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCTCCGGCGGCTGCGGCGGCTGACGGAGGCGAGCGGGCGGCGCCTCCGTTGGGCGTACGGGAAGGCC
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 GCTCTACCTAGTGCCCGCGGCGGCGGCTGGCCTGGCTGGCCGTGGGGGCGAGCGCGGCTGGTGGGGC
 CTGAGCCGAGAACCCCGGCGCCGAGGGGCGCTGTCGTCGTTTCGTGCGCGAGTCGCGCCGTACCCGCGGC
 CCGCGCTCACCGCTTCACCGCTCCAGCCAAGTCGCCAGTCAACGGTAGCCTCTGCGAACCCCGAGCCC
 GCTTGGAGGCCCGACCCGCTGAACTCTTACTCATGGGAGCTACCTGGCAAGCCAGGCCCGCCGGAG
 CCTGCCCTCCCGCAGGACCCTAGAGACAGGCCAGGGCGCCGCCACCCTCACGGTCCCGCGCTGCTCTT
 CGACGGCCAGCGAGTCCACCAGTCTACCCGCGCTCCCAACCCACTTTTGGACCTTCTCGGAGGCC
 GCCCACCGAGATTGTTGGCCTTATCCAGTCGGTTTGTATAACACCCGAAGACGATATCCATTTCAG
 CAAGCCAGTATTCCTTGTGGGGCACTTCCAACCGTATGCTGGAATGGTGGCCATAAGAAAGCCGTGC
 TATCTGCACGGAAGTTCGAGGATGGTGTGACGCCAGTACAGTGGAGATTGCCCTCCAGACAGCAAGCT
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CCAGCCTCCCTCCAGCTCCAGCTCTAACCCACTGTTGGAGAGTTTGAAGAAGATGCAGGAGTCTCCAG
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ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR203649 representing NM_053622
 Red=Cloning site Green=Tags(s)

MSPAAAAADGGERRRPPPLGVREGRGRTRGCGGPAGAAALGLALLGLALYLVPAAAAALAWLAVGASAAWWG
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 PALPQDRDRPGRPPSRPSSSTAQRVHHVYPALPTLLRPSRRPPHRDCGPLSSRFVITPRRRYPIQ
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 PCAKETVLNALKEKKRTVAEEDQLHLDGQENKRRRHDSGSGHSAFEPLVANGVPAAFVPKPGSLKRSL
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 KP IFPATPKSESDNPLPTSSAATTPASTALPTTATATAHTFKPIFESVEPFAAMPLSPFFSLKQTTAP
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 QPAFGGLKASASTFGTPASTQPAFGSTTSVFSFGSATTSGFGAAAATTQTHSGSSSLFGSSTPSPFTF
 GGSAAPAGGGGFLSATPGTGSTSGTFSFGSGQSGTGTTSFGGSLSQNTLGAPSQSSPFAFVSGSTPE
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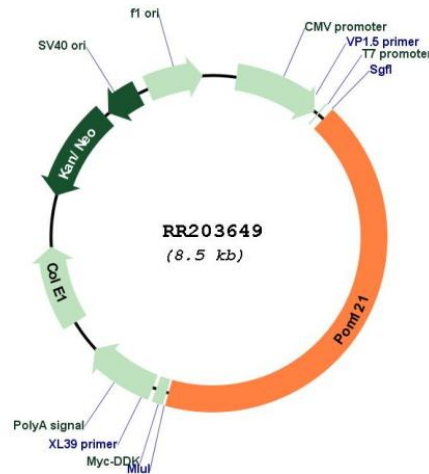
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053622

ORF Size: 3597 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053622.1](#), [NP_446074.1](#)

RefSeq Size: 5508 bp

RefSeq ORF: 3600 bp

Locus ID: 113975

UniProt ID: [P52591](#)

Cytogenetics: 12q12

MW: 120.8 kDa

Gene Summary: may act to anchor components of the nuclear complex to the pore membrane domain of the nuclear envelope [RGD, Feb 2006]