

Product datasheet for **RC201184**

POM121 (NM_172020) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POM121 (NM_172020) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POM121
Synonyms:	P145; POM121A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC201184 representing NM_172020.

Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
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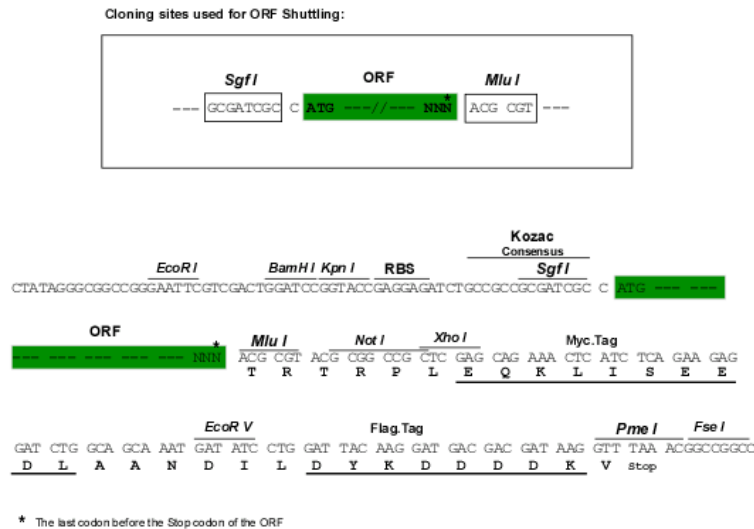
Protein Sequence: >Peptide sequence encoded by RC201184
Blue=ORF Red=Cloning site Green=Tag(s)

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GQENKRRRHDSGSGHSAFELVANGVPASFVPKPSLKRGLNSQSSDDHLNKRSSSSMSSLTGAYAS
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FNVSTTESKPVFGGTATPTFGLNTPAGVGTSGSSLFSGASSAPAQGFVGVAPFGSAALFSISAGAGSK
TPGARQRLQARRQHTRKK
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Chromatograms: https://cdn.origene.com/chromatograms/mg4166_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

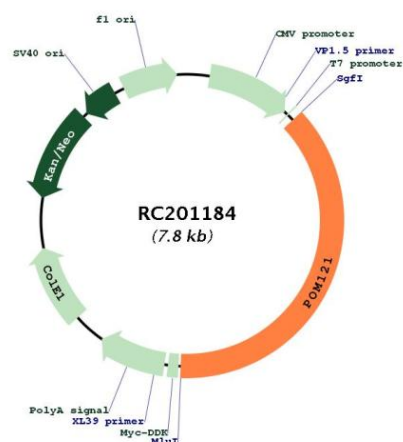


ACCN: NM_172020

ORF Size: 2952 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq Size:	6014 bp
RefSeq ORF:	2955 bp
Locus ID:	9883
UniProt ID:	Q96HA1
Cytogenetics:	7q11.23
MW:	99 kDa
Gene Summary:	This gene encodes a transmembrane protein that localizes to the inner nuclear membrane and forms a core component of the nuclear pore complex, which mediates transport to and from the nucleus. The encoded protein may anchor this complex to the nuclear envelope. There are multiple related genes and pseudogenes for this gene on chromosomes 5, 7, 15, and 22. Alternatively spliced transcript variants encoding different isoforms have been observed. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC201184