

Product datasheet for RC235113

POM121 (NM_001257190) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POM121 (NM_001257190) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: POM121
Synonyms: P145; POM121A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235113 representing NM_001257190
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTGTAGCCAGTACTGTGAGGATCGCCCTCCTGACAGAAGATTTTCGCGTTCTGCGATACCAG
 AGCAGATAATCAGCTCAACTGTCTCACCATCAAGTAACGCCCCAGACCCATGTGCAAAGGAGACAGT
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 CAGGAAAATAAAAGAAGGCGCCATGATAGCAGTGGCAGTGGACATTCAGCATTGAGCCCTGGTGGCCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC235113 representing NM_001257190
 Red=Cloning site Green=Tags(s)

MVCSPTVRIAPPDRRFSRSAIPEQIISSTLSSPSSNAPDPCAKETVLSALKEKEKRTVEEDQIFLDG
 QENKRRRHDSGSGHSAFEPLVANGVPASFVPGKSLKRLNSQSSDHLNKRSRSSMSSLTGAYASGI
 PSSSRNAITSSYSSTRGISQLWKRNGPSSSPFSSPASSRSQTPERPAAKIREEELCHSSSTPLAADRE
 SQGEKAADTPRKKQNSNSQSTPGSSGQRKRKQVLLPSRRGEQLTLPPLPQLGYSITAEDLDLEKASLQ
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 SAGAATTEALSPPKTPSLLPPLGLSQSGPPGLLSPSFDKPTTLLGLIPAPSMVPATDTKAPPTLQAE
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 PSTDSASKPAFGFGINSVSSSVSTTTSTATAASQPFLFGAPQASAASFTPAMGSIFQFGKPPALPTTTT
 VTTFSQSLHTAVPTATSSAADFSGFGSTLATSAPATSSQPTLTFSTNTPTFNIPFGSSAKSPLPSYGP
 ANPQPAFGAAEQPPGAAPALAPSFSSFTFGNSAAPAAAPTPAPPSMIKVVPAYVPTPIHPIFGGATH
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 AGSGSFGINAVTPGSSTTTGAFSFGAGQSGSTATSTPFAGGLGQNALGTTGQSTPFANVSTTESKPVF
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

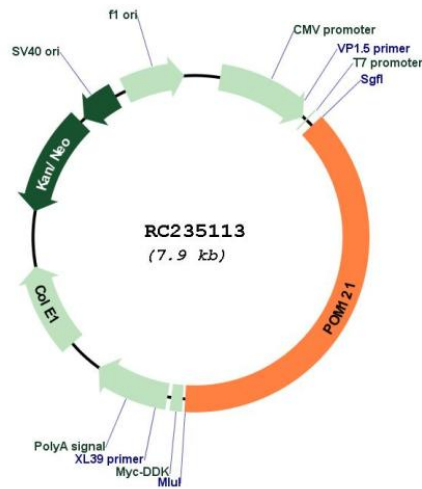
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001257190
 ORF Size: 2997 bp

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| 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: | <ol style="list-style-type: none">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_001257190.3 |
| RefSeq Size: | 7041 bp |
| RefSeq ORF: | 3000 bp |
| Locus ID: | 9883 |
| UniProt ID: | Q96HA1 |
| Cytogenetics: | 7q11.23 |
| MW: | 101.3 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] |