

Product datasheet for **SC332518**

POM121 (NM_001257190) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POM121 (NM_001257190) Human Untagged Clone
Tag:	Tag Free
Symbol:	POM121
Synonyms:	P145; POM121A
Vector:	pCMV6-Entry (PS100001)

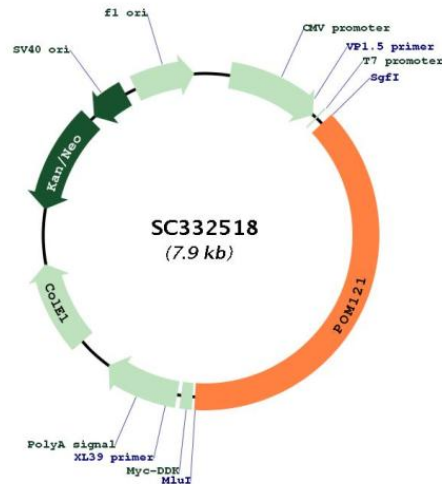


[View online »](#)

Fully Sequenced ORF: >SC332518 representing NM_001257190.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGTGTGTAGCCAGTACTGTGAGGATCGCCCTCCTGACAGAAGATTTTCGCGTTCTGCGATACCA
 GAGCAGATAATCAGCTCAACACTGTCCTCACCATCAAGTAACGCCCCAGACCCATGTGCAAAGGAGACA
 GTACTGAGTGCCCTCAAAGAGAAGGAGAAGAAAAGGACAGTGGAGGAAGAAGACCAATATTCCTTGAT
 GGCCAGGAAAATAAAAAGAAGGCCCATGATAGCAGTGGCAGTGGACATTACGATTTGAGCCCTGGTG
 GCCAATGGAGTCCCGCTTCTTTTGTGCCTAAGCCTGGGTCTCTGAAGAGAGGCCCTCAATTCAGAGC
 TCAGATGACCACTTGAATAAGAGATCCCGAAGCTCTCCATGAGCTCCTTGACAGGCGCTTACGCAAGT
 GGCATCCCTAGCTCCAGCCGCAATGCCATTACCAGTTCCTACAGCTCCACTCGAGGCATCTCACAGCTC
 TGGAAAGAGAAAATGGCCCCAGTTCATCACCTTCTCTAGCCAGCCTCCTCCCGCTCCAGACACCCGAG
 AGGCCAGCAAAGAAAATAAGAGAAGAGGAGCTGTGTCATCATTCCAGTTCCTCAACTCCATTGGCAGCA
 GACAGGGAGTCCAGGGAGAAAAGGCTGCAGATAACAACCCCAAGGAAGAAACAAAACCTCGAATTCTCAG
 TCTACACCTGGCAGCTCTGGGCAGCGTAAGCGGAAAGTTCAGCTGCTGCCTTCTCGGCGAGGGGAACAG
 CTGACCTTGCCCTCCACCTCCCGAGCTTGGCTATTCGATCACTGCCGAGGACCTAGACTTAGAGAAGAAG
 GCTTCATTACAGTGGTTCAACCAGGCCTTGAGGACAAGAGCGATGCTGCCTCGAACTCTGTCAGT
 ACCCCACCTATCACTCAGCCTTCATTTACCTTTACCCTGCCTGCTGCTGCACCTGCCTCCCCACCCACC
 TCCTCCTGGCCCAAGCACCAACCCACTGTTAGAGAGCTTGAAGAAGATGCAGACTCCCGGAGCCTG
 CCACCTGCCAGAACTGCTGGAGCAGCAACCACTGAGGCCCTCTCACCTCAAAGACACCCAGCCTC
 CTACCCCGCTGGGTTTATCACAGTCAGGGCCGCCAGGGCTGCTCCCGAGCCCTCCTTTGACTCCAAA
 CCCCCGACCATTGCTGGGGCTGATCCCTGCTCCATCCATGGTACCAGCCACTGACACCAAGGCACCT
 CCAACCTTCAGGCAGAGACGGCTACCAAACCCCAAGCCACATCTGCCCGTCCCGCCCAAGCAA
 AGCTTCTGTTTGAACACAGAACACCTCACCTTCCAGCCCTGCCGCCCTGCTGCATCTTCAGCAGCT
 CCTGTTCAAGCCATTTTACGGCTCCACCCAAAGAGTGAGAAGGAAGGCCCCACACCCGCTGGCCCT
 TCAGTCACAGCCACAGCGCCCTCCAGCTCCTCCCTCCCGACGACCACAGCACCAGCCCGACCTTC
 CAGCCTGCTTTAGCAGCATGGGGCCACCTGCATCTGTGCCCTTGCTGCTCCCTTCTTCAAGCAGACA
 ACTACTCCCGCCACTGCTCCACCACTGCCCCGCTTCACTGGCCTGGCCAGCGCCACCTCTGCT
 GTGGCTCCCATCACCTCTGCCAGTCCATCCACAGACTCTGCTTGAAGCCTGCGTTTGGCTTTGGCATA
 AACAGTGTGAGCAGCAGCAGTGTGAGTACCACGACCAGCACCGCCACTGCCGCTCACAGCCTTTCCTC
 TTCGGGGCGCCAGGCCTCTGCTGCCAGCTTACCCCGCCATGGGCTCCATATTCAGTTTGGCAA
 CCTCCTGCCTTGCCACAACCACACAGTACCACCTTCAGCCAGTCCCTGCACACTGCCGTGCCAAG
 GCCACCAGCAGCAGCGCTGCCGACTTATAGTGGTTTGGCAGCACCTCGCCACCTCCGCCCGGCCACC
 AGCAGCCAGCCACTCTGACGTTCAAGAACACGAGCACCCACGTTCAACATTCCTTTGGCTCAAGC
 GCCAAGTCCCGCTCCCATCATATCCGGGAGCCAAACCCAGCCCGCATTTGGGGCGCTGAGGGGAG
 CCACCGGGGGCCCAAGCCGGCCCTTGCCCCAGCTTTGGCAGCTTTTCACTTTTGGAAACTCTGCA
 GCCCGGCTGCTGACCCACACCTGCACCTCCGTCCATGATCAAGGTCGTGCCTGCGTACGTGCCTACG
 CCCATCCATCCTATCTTTGGCGGTGCCACGACTCGGCGTTTGGGTTGAAAGCCACGGCTTCGGCCTT
 GCGCTCCCGCCAGCTCACAGCCCGCTTTGGCGGCTCCACTGCTGCTTCTTGGGATCCTCAGCACCAGC
 TCCGGCTTTGGAGCCACCACCCAGACCAGCCAGCGGGAGCAGCAGCTCGGTGTTTGGCAGCACAACA
 CCATCACCTTACGTTTGGGGTTTCGGCAGCCCGCTGGCAGTGGGAGCTTTGGGATCAATGTGGCC
 ACCCCAGGCTCCAGCACCACCCGAGCTTTAGCTTTGGAGCAGGACAGAGTGGGAGCACAGCCACC
 TCCACCCCTTCGAGGGGGCTTAGGTGAGAACGCCCTGGGCACCACCGCCAGAGCACACCGTTTGGC
 TTCAACGTGAGCAGCACAACCTGAGAGCAAACCTGTGTTTGGAGGCACCGCCACCCACCTTTGGTCTG
 AACACCCCTGCGCTGGAGTGGGCACATCAGGCAGCAGCCTCTCCTTTGGGGATCCTCAGCACCAGC
 CAAGGCTTTGTTGGTGTGCACCTTTCGGCAACACTTTTGTCTACCAGCAAGAACACAGCCCGAGGAAG
 GGACCAATAACCTTTCAAACGCAAACCTGCTGCCTGCGGTGAGGGCCAGGGTCTTCCACGGAGAGGA
 CAGGCATCTTCTTTCCACAGGAAGGAGTGA

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001257190

Insert Size: 3000 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_001257190.2](#)

RefSeq Size: 7041 bp

RefSeq ORF: 3000 bp

Locus ID: 9883

UniProt ID: [Q96HA1](#)

Cytogenetics: 7q11.23

MW: 100.9 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).