

Product datasheet for RC229405

POM121L2 (NM_033482) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POM121L2 (NM_033482) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POM121L2
Synonyms:	POM121-L; POM121L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229405 representing NM_033482 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCAGTTTCTGAGCAAACCTGGAACCTTCGCCCTCGTCCCCAGCCAGGTGCGCACCGACTTGCCCG
AGAGGCCACGAAACGCCGGCCACCTCAGCCCTTCACCAAGTTCATCGGGTTCAGTTCGTCACCCGCGC
CCACCTGCCCCACGGTATAGACCTGTGAGGAGGGCCAAACCTGGATCCTGCCAATCCAACCAGTGG
CTGGCCAAACGAGGCTGGAGGCGCTTCCCATGAAGAAGTCCCAGAATCCCCCTGGGGCTCTCCCTT
CAGACTGGTGGAAAGTTACTTAAAGCGGACTATTTGGTCTCTTCGACATCCCAGGCCAATTTGGAGCCC
AGTGACCATCAGGATCACTCCTCCTGACCAGAGAGTGGCCCTTCCACTTCTCCTGAAGATGTAATTGCC
CTTGACGAGACTCCCGCCCTCTGAGGAGCTCGCAGATCCATGTTCAAAGGAGACAGTGTGAGGGCCCTCA
GAGAGTGCAGAAAAGGAAAGGGAGGTTGGAAGAACCCTATTCCCTGAGAGTCTGGACAGTAAGAGAAG
GAGTCCAGAGACCAGACCATCGGCATTTAAGCCCTGATGAAAAATGGAACCCCTCACTTCTTTGTGCC
AGGCTGGGCGCTGAAGAGAAGTCTCCACTCCTGGGGCTCAGATCACAGCTTGACTAAGAGGCCAATT
GCTCCTCCATGAGCTCCTTGCCAGCATATACAGAGGTGGCACCCCTCAGTCCAAAAGGAATGCTATTGG
CAGCTCTTACAGCTCTTGCGAAAATTTCTCAGACCCCTTGAAGAGAAGTGTCCAGTGTATCATTGAG
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AGGTCTCCATGCCCCAGACCCACCTGCACCACCCACCATCCAAAGTACTTTGCTTGGAAATGGTGAGTA
 GCCCAACATCCCATCTTTCTGCATCTGCACCTCCTGATGCAACTTCTGCTCACCTCATGTTAAAACCGAT
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 CCGAAGGCATCATGCCTACAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229405 representing NM_033482
 Red=Cloning site Green=Tags(s)

MGSFLSKLELSPSSPAQVRTDLPERPTKRRPPQLHQVHRVQFVHRAHPAPRYRPVRRRPNLDPANPTTW
 LANEAWRRFPMKKSQNSPLGPLPSDWESYLKRTIWSLRHPRPIWSPVTIRITPPDQRPVPPSTSPEDVIA
 LAGLPPSEELADPCSKETVLRALRECRKGRLEEPLFPESLDSKRRSPETRPSAFKPLMKNGTLTSFVP
 RPGPLKRLSHWGS DHSLTKRPNCSSMSSLASIYRGGTSSKRNAIGSSYSSCRNFSDPWKRSVPSVSFE
 TPWEPIKKEKSCHRPSSPVPLVSDFESLGGSESSGQQNQKIPQLPSSPENLVSEIPPPQLGYAVSDENLT
 LGKKAELQVSNAGEDTTEVNTDPFPETWLAIQPSLSLALPSSETDLTQGANPQLENLRKMQLSLGPLAS
 PQSTGEATSVAHSPKTPSLPTPPGCSQSELLPGTSPDSKPTATFILLTPTSPTLPTVDTTWPSTSQAD
 RSPMPDPPAPPTIQSTLLGMVSSPTSHLSASAPPDATSAHMLKPIILGPHNSEIGSSYSRISVTA
 SSISLSTIQGTLTPTFKPIFGSIDPLKTPMIAPFSSKQTPPFTHASTHHFHLVKTASVVMSTTLAS
 TSKDSVFKPLDFGVVNVTSAVGNTYSVPSTCDTFLGTAQAFRADFTPATGFI FPPHHPTIPTVHTVT
 MFTQVLSVVQISPRSSANFRMGSPALPASALVSTNWLASTPISNLTPAITSPLGSSSRPPFPLSQGA
 NPQPAFGATNGQKQGPSQALMPSVSSSFLFGSSAVALPTMPPTPAQPAFISTTQSALGCLTPSASTSQT
 PASTWSGIGGIPAGFPISQASTTGFRIVIQTHQSGAFGSVFGSRAPQPF TGGFVTPMDCDESGIIMTGP
 DMSPTSGAFSIGALPSGTTNTMIPFGKWSQNTTEGLPSHRTAFSLGRGSI SARKTMAPIAQNTVPVGOAK
 AGSSVGFGMPPPAQGSVGRGPFRRSSASSFSIGAKSKTPKNREKHSRRHHAYKK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8035_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_033482

ORF Size: 3105 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_033482.3](#), [NP_258443.2](#)

RefSeq ORF: 3108 bp

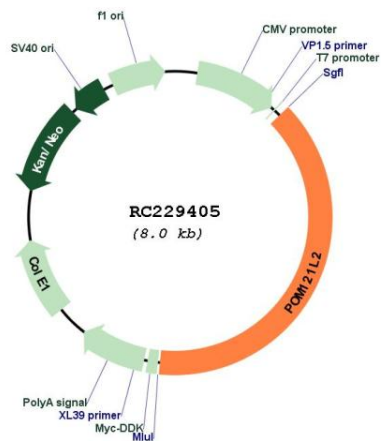
Locus ID: 94026

UniProt ID: [Q96KW2](#)

Cytogenetics: 6p22.1

MW: 109.7 kDa

Product images:



Circular map for RC229405