

Product datasheet for **RN217322**

Pom121I2 (NM_001162930) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pom121I2 (NM_001162930) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pom121I2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217322 representing NM_001162930

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGCAGCTACCTGGGCAAAGCAGGGTCTCGCCGCGGTCTCAGCACAGGGGCGCGCAGACCCACGGG
 AGAAGCCTGCGACCCGCCAACCCACTAGGCCCTCTACCAGTTTACCGTGTGCAGCATGTCCACCGCGC
 CCAGCCTGTCCGAGACACAGGCCGCGCCGAGGCCACAACTGGGATCCCGCAACCTGCGCGTTTC
 GTCAGTGAGGCTGGAGGCGCTTCCCATGAAGAGTCCACAGAACCCATTATGGGCTCTCTTCCTTCAG
 ACTGGTGGGAAAGTTACCTGAAGCGTAATATTTGGTCCCTTCGTACCCCTCGAGCCACATGGAGTCCGGT
 GACAGTCAAGATCTCGCCTCTGAGCGGAGACCAGGCCCTTGTCCAGCCTCAAGAGTGGTGAATCC
 GCGGGACCTTCAGAGGAGCCACCAGGCCCTGTGGAAAGGAACAGGTGCTGAGGGCCCTCTCGAGTGCA
 GGAAGGGTGGAGCCAGGTGGGAAGAGCCTCTGTCCCTGATAGCTCTGACACTCAAAGGAAGTCAGCCAC
 CTTATGGTCTGCCTTTAAGCCCCTGTTGAAAAGTGGGGCCACTGTTTCGTTTGTGGCCAGGCCTGGGTCT
 CTGAAAAGGAGCCTCCATGCCAGAGCTCAGATCCTAAATGTAAGAGGTCCAGTTACTCCTCTGTGGCCC
 TCTTGGCCAGCATACATACCAGAGGCCCTGAGCACGAAAAGAAATGCTATTACAGCTCCTATAGTTC
 TTCTAGAGATCTCTCAGAATCTTGGAAAAGACATTTTCCAGGTCATCAGTCCAGACTCCAGAATGGCCA
 TTGAAAAGACAGGAAAAAGTCCTAATTTCTCACCTCTTAGTCACGCCAGCAGCTCTGGACAGATAAATG
 GAAAGATTCCTCTACTGCAATCTGGTCTTAGGCACCTTTTGACTATGCCTTGCCAGCAAGGTCTGTTGT
 CACTGAAGAGGACCCAAACATCAGAGGGCAAGCTGTGCCAAGCAACCAACACAGAAGTACAAGTGGG
 ACAGCCACAGACTCCATTCCAGAGATCAGGGCTGGTTTTCAGCCTCCCTGTCTCTCAATCGGCCTTCTG
 AGACAGTTCTTAATACGTGCGTGAACCCCTCAGCTGGAAAGCTTAAGAATATGCCTGCCCCACATGGGTG
 CTCACTGTTAGAGCACATTCCAAGCATCTCTCAGACTCAAACCCCTCAATTGCTTCCATCCAGGCATTA
 CCAAGCTCTCCCAACACCAAGTCACTGATTCCACCTGGCTTTCTCAGTCCCTCAGGCTCACAGGTCTG
 CTGTGTCCCCACACTCATCTGTCTTATCCCCACAGCACCCACCACACAAAGCACTTTGGTTGGGGTGGT
 GAGTAGTCCAGTCTCCATCTTCTGCTGTACTTCTGTGGAGACTTCTGCTCACTCGGCATTAAGA
 CCGATATGGGGTCTGTGCACAATACTAAGGTTAGAACTGCCTCATACTCCAGAATTTCTGTATGGCTG
 AGGCATCTTCAAGCTCTTCTTCCCAACTCCAGGTATCTTAAGGCCACCTTCAAGCCTATCTTTGG
 CAGTATAGAACCCTTAAACTATGTCCAAGACAGCCCTGTGTCTACCCAGCAGCCTTCTCTTCACTG
 AGTTCTGGTTCTACCCATCTTTTCCACAGCCTAGCCACCACAGTCCCCTGTATGGTTACATCTGCCATTC
 CAGCCAGCACATCAAAGATCCTGGTGTGGATTGAACATAGTAACCAGCACCATGGGCAACTCTTGCTC
 TGTCCCTTCTTGGCAGACTTGCCTACTTGGAGCTTCCCAGGACTTCCCTCAGCCACTGATTTAATTTTC
 CCTTCCAAACACCCACGATTCCCACTGTACACACGGTCACTCTCTTAGCCAGGTTCTTACTAGTGCCA
 TCAAGATATCCCCTCTCAGAGGCACTGATAAACCGAGGAGGGTGAGCAGCCCTCTGGCAACTTTGGACAC
 ATCCACAAACCACTCTCCAGTGACCTCAAGCATCTCCAATGTGACTTCAGCACTCACAGCATCTTTGGGG
 TCAAGCCCGAAGCCACCTTTTCTACCATTCCAAGAAGTACTTGTCAACCTTACCTGGGGCCATAGATG
 GGCTAAAGCAAATTTCTCTCAACTAGCTCCTGCCAAAAGCTTCTGTACCTTTTCTTTTCAGAGAACTC
 AGGTGTGTCCCAACCCAGATGTTGCCACCTGCTCAATTGGTCTTAGCAAGACCCTGGCCAGCTTGT
 GGGGGGTGACATCTTCAACTCCATTATCCGCACTCCTACCATCAGCCAACCAAGGTTTGGCGGCAATC
 CGGCTGGGTCCCAACCCAGCAAAGCTAGTTCAATTGCCCTTAGGGTTGTAGGCAGAACCACCAGAGTGG
 GACCTACAGTTCAGTATTTGGTAGCACAGCCCCAAGACCTTTTGTCTTTGGAGGATTAGTGACCTCTATG
 GATTGTGGAGAGCCTGAGGTCAATTGTGACTGCCCCACCAAGGAGCACTTCTGGAGCAAGACAGAGTATGA
 CCCCAGCACCCTAGCTCCCTTTGTGCAATGCTGGAAGTGGAGCATGCAGGGCCCTCCTAACAGATCAC
 ACCTTTGGCTAGCATTCTGCAAGAAAGATCATGTCTGGGGCCCCCTCCCTGGTTCCCTTTGCTTAGAG
 TACCCCTGTACCTGGAGTAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001162930

Insert Size:	2754 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001162930.1, NP_001156402.1</u>
RefSeq Size:	4384 bp
RefSeq ORF:	2754 bp
Locus ID:	502128
Cytogenetics:	17p11