

Product datasheet for **RN216766**

Pi16 (NM_001170481) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pi16 (NM_001170481) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pi16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216766 representing NM_001170481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACAGCTCCTGCAGCCCGTGGGTGATGCTGCCCCAGCTGCCACTGCTCTCTGTTGCTTCTGCTGC
 TGCTGACTGCCACTGGCCCCGCCACAGCCCTCACAGAGGACGAGAAGCAAACCATGGTGGAGCTTACAA
 CCACTACCGCGCCAGGTGTCCCGCCAGCCTCAGACATGCTGCAGATGAGGTGGGACGACGAGCTGGCC
 GCCTTCGCCAAGGCCTACGCTCAGAAGTGCCTGTGGGACACAACAAGGAGCGGGCGGCGGAGAGA
 ACCTGTTTGCCATCACGGACGAGGGCATGGATGTACCGCTGGCCGTGGGAACTGGCAGGAGGAGCATGA
 ATATTACAATCTCAGCACAGCCACTGTGATCCGGGCCAGATGTGCGGCCACTACACTCAGGTAGTGTGG
 AGCAAACTGAGAGAATCGGCTGTGGTCCCCTTCTGCGAGACGCTCCAGGGAGTGAGGAAGCTAACA
 TCCATTTGCTGGTGTGCAACTATGAGCCCCGGGGAACGTGAAGGGCCGGAAGCCCTACCAGGAGGGGAC
 GCCTTGCTCCAGTGCCCTCTTGCTACAGCTGCGTGAACCTCTCTGTGAGCCGGAGAGAAAACCGGAA
 AAAGCGCAGGATTCGCCTCCAAGGGTACTGAAGTCCCAGGCTCCAGGAAACCGGTATTCCATCCCTAG
 CAACCTCTGAATCTCTACATTTCTCTCGGTAACAAAGGTCTCGGACTCCCTGGCAACCGAGCCCTCACC
 TGCGGTAGAAAACAAAGGCCACCTTCTTAGCAACCGAAGGCCCTCTCCATGGCAACAGAGGCTCAG
 TCTTTTCTAACTGAGGTCCCCTCGGTTTCTGCAACGCACATCCAGCCTTCACTGGATGAAGGGCCAGTTA
 ACTTCTCACATCAACACACATCCCTGTCCCCAAATCTACGGACAAGAAGCCAGCAGCAAGTCGAGAGC
 AGCCTCCGTGAGCCAGAGAAATCTCTGTACCCCAAGATGTCCCCGACAGAGACAGGAGAGTCCCCACCC
 CAAATCCAGGAGGAGGCTGAGCCCAAGGCCGAGTTGCCAGCGGGAGGACGAGTTGCCCGAGGCAGAGG
 TCGAATTGCCCTGAGGCAGAGGCCGAGTTGCCAGAGGCCAAGGCCGAGTTGCCCTGTTTCCAGTGAGGCTTT
 GGTCCCAGTTCTTCCAGCTCAGGAGCGCGTGGGCCGAAGGCCTCACTGGAACACTCCAGCTACCCTGTC
 CCCACATATCTGCCCAACTTCCCTAGTGCTCGGGCAATGCCACAGGTGGGCGCACCCCTGGCCCTACAAT
 CATCCCGGACAGGTGCAGAGGACCCTGAAAAGGCCAGCTGGGATTGGAAGAACTCTGCTCTGTGTGGGG
 CCCTTCCCGGACTGCTGCTGCCTCTCTGCTGTTGGCTGGCATATTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001170481
- Insert Size:** 1452 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: [NM_001170481.1](#), [NP_001163952.1](#)

RefSeq Size: 1900 bp

RefSeq ORF: 1452 bp

Locus ID: 294312

Cytogenetics: 20p12