

Product datasheet for **RN215471**

Pitx3 (NM_019247) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Pitx3 (NM_019247) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pitx3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN215471 representing NM_019247 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTGGGCTGCTTGGTGAGGCAGAGGCTCGAAGCCTGCGCTGTCATTGTGATGCAGATGCAGGCACTC
CACACCTCCGCTTCCAGAACATGGCTGCAAGGGGCAGGAGCACAGTACTCGGAGAAGGCTCGGCCTC
ACTGCCGGGGGCTCCCTGAGGATGGCTCCCTGAAGAAGAAGCAGCGGGCGCAGCGCACGCACTTACC
AGCCAGCAGCTGCAGGAGCTGGAGGCCACCTCCAGAGGAATCGTACCCGACATGAGCAGCGCGAAG
AGATCGCCGTGTGGACCAACCTCACTGAGGCCCGCGTGGGTTCAAGAACCAGCGCCCAAGT
GCGGAAGCGGGAGCGCAGCCAGCAGCGGAGCTGTGCAAGGGCGGCTTCGCAAGCCCGCTCGGGGGCCTG
GTGCCACCTACGAGGAGGTGTACCCGGGCTACACGTACGGCAACTGGCCGCCAAGGCGCTCGCCCCG
CGCTCGCCGCCAAGACCTTCCGTTTCGCTTCAACTCGGTCAACGTGGGGCTCTAGCTTACAACCTGT
ATTCTACCGCCAGCTCCATCGCTGCCTCCATGGTGCCTCGGCGGCCGCTGCCCGGGCACCGTCCCA
GGTCCCGGAGCCTTGCAGGGCTGGGCGGGGCACCCCGGGCTGGTCCAGCCGCGTGTCTCCGGG
CAGTGTCTGCCCTTACGCTCGGCCGCCAGCCGCGCTGCAGCCGCTCTCCCTTATGTATACCG
GGACCGTGTAACCGAGCTGGCTAGCCTGCGGCTCAAAGCCAAGCAGCAGCCTTTTCAGTACCC
GCCGTGCCGGGGCGCCCGCGGCTAACCTTAGTCCCTGCCAGTACGCGTGAACGGCCAGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Chromatograms: | https://cdn.origene.com/chromatograms/ja3286_b07.zip |
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_019247 |
| Insert Size: | 909 bp |



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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p> |
| Components: | <p>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).</p> |
| 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: | <u>NM_019247.1</u> , <u>NP_062120.1</u> |
| RefSeq Size: | 1253 bp |
| RefSeq ORF: | 909 bp |
| Locus ID: | 29609 |
| UniProt ID: | <u>P81062</u> |
| Cytogenetics: | 1q54 |
| Gene Summary: | acts as a transcriptional activator; may regulate development of the mesencephalic dopaminergic (mesDA) neuronal lineage [RGD, Feb 2006] |