

Product datasheet for RN200358

Pitx2 (NM_001042505) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pitx2 (NM_001042505) Rat Untagged Clone
Tag: Tag Free
Symbol: Pitx2
Synonyms: Pitx-2; Pitx2c; Ptx2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200358 representing NM_001042505
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAAGTCATGAAAGGCCCGCTGCCCTTGGAGCACCGAGCAGCCGGGACTAAGCTGTCGGCCGCTTCT
 CACCCTTCTGTACCATACCCAGGCGTTAGCCATGGCTTCGGTCTAGCTCCTGGTCAGCCCGCTCCCT
 GGACGCCCTCAAACATAGACTGGAGGTGCATACAATCTCCGATACGTCCAGCCCTGAAGTCGCAGAGAAA
 GATAAGGGCCAGCAGGGAAGAATGAGGATGTGGGCGCAGAGGACCCGTCGAAGAAGAAGCGGCAACGCC
 GGCAGAGGACTCACTTTACTAGTCAGCAGCTCCAGGAGCTGGAAGCCACTTTCCAGAGAAACCGCTACCC
 AGACATGTCCACTCGCGAAGAAATCGCCGTGTGGACCAACCTTACGGAAGCCGAGTCCGGGTTGGTTC
 AAGAATCGCCGGGCCAAATGGAGAAAGCGGGAGCGCAACCAGCAGGCCGAGCTGTGTAAGAATGGCTTCG
 GGCCGAGTTCATGGGCTCATGCAGCCGTACGATGACATGTACCCCGGCTACTCGTACAACAATTGGGC
 TGCCAAGGGCCTCAGTCAGCGTCTCTGTCCACCAAGAGCTTCCCTTCTCAACTCTATGAACGTCAAT
 CCCCTATCCTCCAGAGCATGTTTTCCCGCCCAACTCCATCTCATCCATGAGTATGTCGTCAGCATGG
 TGCCGTCGCGGTGACCGCGTCCCGGGCTCCAGCCTCAATAGCCTGAATAACTGAACAACCTGAGCAG
 CCCGTCGCTGAATTCGCGGTGCCACGCCCGCTGCTTACGCGCCGCGACTCCTCCGTACGTTTAT
 AGGGACACATGTAACCTCGAGCCTGGCCAGTCTGAGACTAAAAGCAAAGCAACACTCCAGTTCGGCTACG
 CCAGCGTGCAGAACCCGGCTCCAACTGAGCGCTTGCCAGTATGCGGTGACCGGCCGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001042505
Insert Size: 975 bp



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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:	<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:	NM_001042505.1 , NP_001035970.1
RefSeq Size:	2019 bp
RefSeq ORF:	975 bp
Locus ID:	54284
UniProt ID:	Q9R0W1
Cytogenetics:	2q42
Gene Summary:	<p>expressed in developing neural cells in specific regions of the brain; human homolog transactivates prolactin gene expression [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and 5' coding region compared to variant 2. The resulting protein (isoform 1) is longer and has a distinct N-terminus compared to isoform 2. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>