

Product datasheet for MR227617

Pitx2 (NM_001042504) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pitx2 (NM_001042504) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pitx2
Synonyms:	9430085M16Rik; Brx1; Brx1b; Munc30; Otlx2; Ptx2; Rieg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227617 representing NM_001042504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCAATTGTCGCAAAGTGTGCGCCTGCGTGCAATTAGAGAAAGATAAGGGCCAGCAAGGAA
AGAATGAGGATGTGGGCGCCGAGGACCCGTCGAAGAAGAAGCGGCAACGCCGGCAGAGGACTCATTTAC
TAGCCAGCAGCTGCAGGAGCTGGAAGCCACTTCCAGAGAAACCGCTACCCAGACATGTCCACTCGCGAA
GAAATCGCCGTGTGGACCAACCTTACGGAAGCCGAGTCCGGTTTGGTTCAAGAATCGCCGGGCCAAAT
GGAGAAAGCGGGAACGCAACCAGCAGGCCGAGCTGTGCAAGAATGGCTTTGGGCCGAGTTCAACGGGCT
CATGCAGCCCTACGATGACATGTACCCCGCTATTCGTACAACAATTGGGCTGCCAAGGGCTCAGGTCA
CGGTCTCTGTCCACCAAGAGCTTCCCCTTCTTCAACTCCATGAACGTCAATCCCCTGTCTCTCAGAGTA
TGTTTTCCCGCCCAACTCCATCTCATCTATGAGTATGTCGTCCAGCATGGTGCCCTCCGCGGTGACCGG
CGTCCCGGGCTCCAGCCTCAATAGCCTGAATAACTTGAACAACCTGAGCAGCCCGTCCGTTGAATCCGCG
GTGCCACGCCCGCTGTCTTACGCGCCGCGACTCCTCCGTACGTTTATAGGGACACATGTAACCTGA
GCCTGGCCAGCCTGAGACTGAAAGCAAAGCAGCACTCCAGCTTCGGCTACGCCAGCGTGCAGAACCCGGC
CTCCAACCTGAGTGCTTGCCAGTATGCAGTCGACCGGCCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001042504.2](#), [NP_001035969.1](#)

RefSeq Size: 1759 bp

RefSeq ORF: 816 bp

Locus ID: 18741

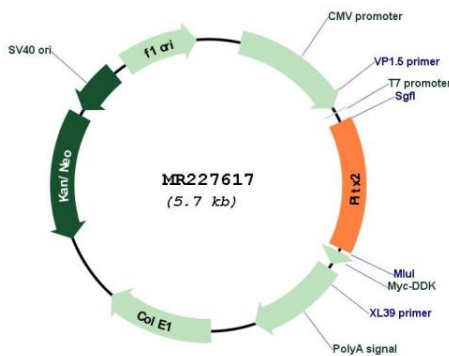
UniProt ID: [P97474](#)

Cytogenetics: 3 57.84 cM

MW: 30.8 kDa

Gene Summary: Controls cell proliferation in a tissue-specific manner and is involved in morphogenesis. During embryonic development, exerts a role in the expansion of muscle progenitors. May play a role in the proper localization of asymmetric organs such as the heart and stomach. Isoform Ptx2c is involved in left-right asymmetry the developing embryo.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227617