

Product datasheet for **MR222465**

Ptx4 (NM_001163416) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptx4 (NM_001163416) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptx4
Synonyms:	1110018H23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR222465 representing NM_001163416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGTGCTTGAAGAAGAAGACCTGCTTTTTCTCTCATTTTTGTGTCCCTGAATGTACACAGGACTC
 CGTCACAGGAAGCTCACCCAGCCAGGCAAAGAAAGCCATTTTTGAGAGGCTCCGTCGACTAGAAGAGCA
 GAGCCTGGTGGAACAGAGCCAAGCCGTAGCTCTAGCGATGAATCAGTCTCAAGCTGCCATACAAGGAGAT
 GTGGCCCATTTAAAGACCTGGTATAGGAAGAGCCAGCGAAGGAGCCAGAAGGTAGATGCCGACTTCAAG
 CCTTGGACCTCTCCCTGAGCACAAAGAGCAGGCAGTGGGTAGAGAAGGAAGGGGAGCAAAAGGCACAGAG
 GGAGGCTATTGCAAGCCTGGCCCTAAGCGTT CAGGCACTACAGGATGCACTGGCCAGCCTTACACAGCAA
 GTCCACAGCCAGGGTCCAGGCTTGCTGCTCTGGAGGGACAGACACAGAGGGCCTCCTCTGGTACTGTGG
 CCCTGGGGTTGACCACAGCCCCAACCCACCCAGCTTGCTCAGCGAGGGCCAGGATCCTTGCAACTGTG
 GAGGGACCGCCAGGTAGCCAAGTCTTACCCCAACACAGGAGTCCCCTCATGACGTCACTGTCCACGTT
 CAGGAGATGCAGAAGTTCCAAACCCCAAGCAGTCATCAAGCAGCCCAAGGACCTACCAAGGACCAG
 GAAACATTTGCAACACGGACCCAGTGCTGATTTCCCAACACCTCCACCGAAAAATGTGATCTTCTCTTAG
 CCCTGGCTTCTCATGCCCTACGAGCCCTGCTCTTCTGCAGTTGGGTCCGAATGGCCACCAGCCACCTG
 GGCACCTCCTTTCTATGCCACCAAAGACAATGACAACAAGTTAGTACTGCATGGCCGAAACTCCCTGG
 TCCCTGGTTCCATCCACTTTGTGATTGGGGACCCAGACTTCAGGGAAGTGTCCCTGAAACCACTCCTGGA
 TGGCCAGTGGCACCACATTTGTATCATCTGGACATCCGTGGAGGGCAAGTACTGGCTCCACATAGACCGA
 AGGTTAGTAGCCACCGGCTCCCGCTT CAGAGAGGGCTATGAGATCCCTCCCGAGGGTCCGTTGTGCTGG
 GCCAGGAACAAGACACTGTGGGGGCGAGTTTGACAGCTCTGAGGCCTTCGTAGGGAGCATATCTGGCTT
 GGCCATCTGGGACCGGGCACTGCTCCCTAGAGAAGTTGCAAACTTGGCCCTCTGAAAAGAGCTCCCAACA
 GGCCTATTCTGACGCTACCAATGTCCTTCTGTGGTGGATTTGTGCAGAGAGCCAAATGTACCTGCC
 TGGAGCAGTGCCATATGCCACACCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222465 representing NM_001163416
 Red=Cloning site Green=Tags(s)

MRCLKKKTLLFLLIFVSLNVHRTPSQEAHPARQRKPFERLRRLEEQSLVEQSQAVALAMNQSQAAIQGD
 VAHLKWTYRKSQRRSQKVDARLQALDLSLSTKSQWVEKEGEQKAQREAIASLALSVQALQDALASLTQQ
 VHSQGARLAALEGQTQRASSGTVALGLTTAPNPTQLAQRGPGSLQLWRDRQVAKSSPQHRSSPHDVTVHV
 QEMQKFQTPSSHQAAPPRTYQGPNICNTDPVLIFPNTSTENVIFLSPGFMLPLRALSFCSWVRMATSHL
 GTLLSYATKDNDNKLVLHGRNSLVPGSIHFVIGDPDFRELSLPLLDGQWHHICIIWTSVEGKYWLHIDR
 RLVATGSRFREGYEIPPGGSLVLGQEQDVTGGEFDSSEAFVGSISGLAIWDRALLPREVANLASGKELPT
 GAILTLTNVTSVGGFVQRAKCTCLEQCPYATP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

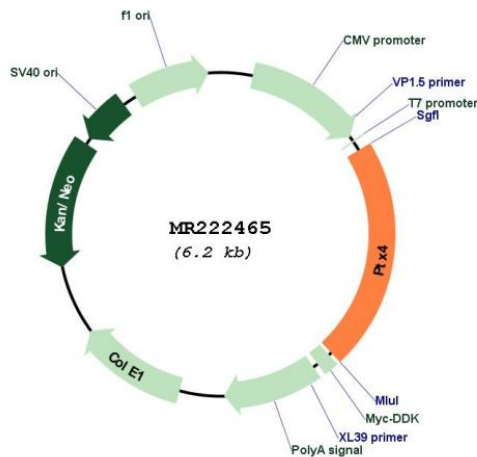
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001163416

ORF Size: 1356 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001163416.1](#), [NP_001156888.1](#)

RefSeq Size: 1492 bp

RefSeq ORF: 1359 bp

Locus ID: 68509

Cytogenetics: 17 A3.3

MW: 50.4 kDa