

## Product datasheet for **MC207014**

### **Ptp4a3 (NM\_008975) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptp4a3 (NM_008975) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptp4a3
Synonyms:	AV088979; pPtp4a3; Prl-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207014 representing NM_008975. Blue=ORF Red=Cloning site Green=Tag(s)

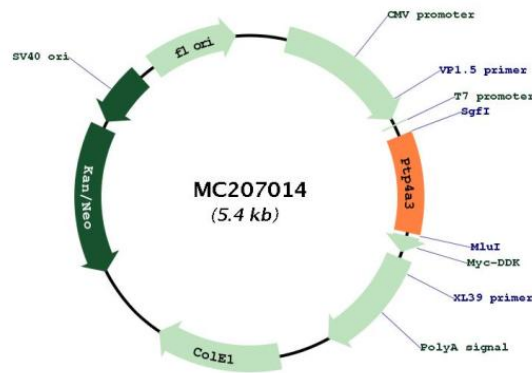
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGCATGAACCGCCTGCGCCTGTGGAGGTGAGCTACCGGCACATGCGCTTCTCATACCCAC
AACCCAGCAATGCCACCCTCAGCACGTTTCATCGAGGACCTGAAGAAGTACGGGGCTACCACTGTGGTG
CGCGTGTGTGAAGTGACCTATGACAAGACCCCTGGAGAAGGACGGCATCACTGTTGTGGACTGGCCC
TTTGATGATGGAGCGCCCTCTGGCAAAGTGGTAGAGGACTGGCTGAGCCTGCTGAAGCCAAGTTC
TACAATGACCCGGAAGCTGCGTAGCTGTGCACTGTGTGGCGGGCTGGGAAGGGCCCAAGTCTGCTG
GCTCTCGCCCTCATCGAGAGCGGGATGAAGTACGAGGACGCCATCCAGTTCATCCGACAGAAGCGCCGT
GGGGCCATCAACAGCAAGCAGCTCACCTACCTGGAGAAGTACCGGCTAAGCAGAGACTGAGGTTCAA
GACCCACACACGCACAAGACCAGATGCTGCGTCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**



**ACCN:** NM\_008975

**Insert Size:** 522 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).

**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\\_008975.3](#)

**RefSeq Size:** 3608 bp

RefSeq ORF: 522 bp

Locus ID: 19245

UniProt ID: [Q9D658](#)

Cytogenetics: 15 D3

MW: 19.7 kDa

**Gene Summary:** Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis. May be involved in the progression of cardiac hypertrophy by inhibiting intracellular calcium mobilization in response to angiotensin II.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate 5' UTR exon, as compared to variant 1. Variants 1, 2, 3 and 5 encode the same isoform 1.