

## Product datasheet for MR226087

### Tac1 (NM\_009311) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tac1 (NM\_009311) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tac1  
**Synonyms:** 4930528L02Rik; NK-1; NK1; Nkna; PPT-A; PPTA; SP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226087 representing NM\_009311  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAATCCTCGTGGCCGTGGCGGTCTTTTTCTCGTTTCCACTCAACTGTTTGCAGAGGAAATCGATG  
CCAACGATGATCTAAATTATTGGTCCGACTGGTCCGACAGTGACCAGATCAAGGAGGCAATGCCGGAGCC  
CTTTGAGCATCTTCTGCAGAGAATCGCCCGAAGACCCAAGCCTCAGCAGTTCTTTGGATTAATGGGCAAG  
CGGGATGCTGATTCCTCAGTTGAAAAACAAGTGGCCCTGTTAAAGGCTCTTTATGGACATGGCCAGATCT  
CTCACAAAAGGCATAAAACAGATTCCTTTGTTGGACTAATGGGCAAAGAGCTTTAAATTCTGTGGCTTA  
TGAAGAAGCGGATGCAGAACTACGAAAGAAGACGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226087 representing NM\_009311  
Red=Cloning site Green=Tags(s)  
MKILVAVAVFFLVSTQLFAEEIDANDDLNYWSDWSDSQIKEAMPEPFEHLLQRIARRPKPQQFFGLMGK  
RDADSSVEKQVALLKALYGHGQISHKRHKTDTSFVGLMGKRALNSVAYERSAMQNYERRR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9008\\_a08.zip](https://cdn.origene.com/chromatograms/mm9008_a08.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_009311

**ORF Size:** 390 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\\_009311.3](#)

**RefSeq Size:** 1034 bp

**RefSeq ORF:** 393 bp

**Locus ID:** 21333

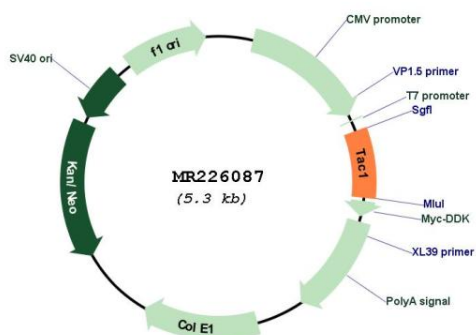
**UniProt ID:** [P41539](#)

Cytogenetics: 6 3.31 cM

MW: 15.5 kDa

Gene Summary: Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226087