

## Product datasheet for MC209491

### Tac1 (NM\_009311) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tac1 (NM\_009311) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tac1  
**Synonyms:** 4930528L02Rik; NK-1; NK1; Nkna; PPT-A; PPTA; SP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209491 representing NM\_009311  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAATCCTCGTGGCCGTGGCGGTCTTTTTCTCGTTTCCACTCAACTGTTTGCAGAGGAAATCGATG  
 CCAACGATGATCTAAATTATTGGTCCGACTGGTCCGACAGTGACCAGATCAAGGAGGCAATGCCGGAGCC  
 CTTTGAGCATCTTCTGCAGAGAATCGCCGAAGACCCAAGCCTCAGCAGTTCTTTGGATTAATGGGCAAG  
 CGGGATGCTGATTCTCAGTTGAAAAACAAGTGGCCCTGTTAAAGGCTCTTTATGGACATGGCCAGATCT  
 CTCACAAAAGGCATAAAACAGATTCTTTGTTGGACTAATGGGCAAAAGAGCTTTAAATTCTGTGGCTTA  
 TGAAGAAGCGCGATGCAGAACTACGAAAGAAGACGTAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_009311

**Insert Size:** 393 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).



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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\\_009311.2](#), [NP\\_033337.1](#)

**RefSeq Size:** 1034 bp

**RefSeq ORF:** 393 bp

**Locus ID:** 21333

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

**Cytogenetics:** 6 3.31 cM

**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]

Transcript Variant: This variant (1) encodes the longer isoform (1). 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.