

Product datasheet for **MC209492**

Tac2 (NM_009312) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tac2 (NM_009312) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tac2
Synonyms: PPT-B; Tac3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209492 representing NM_009312
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGAGCGCCATGCTGTTTGGCGCTGTCTCGCCCTCAGCTTGGCTTGGACCTTCGGGGCTGTGTGTG
AGGAGCCACAGGGGCAGGGAGGGAGGCTCAGTAAGGACTCTGATCTCTATCAGCTGCCTCCGTCCCTGCT
TCGGAGACTCTACGACAGCCGCCCTGTCTCTGGAAGGATTGCTGAAAGTGCTGAGCAAGGCTAGCGTG
GGACCAAAGGAGACATCACTTCCACAGAAACGTGACATGCACGACTTCTTTGTGGGACTTATGGGCAAGA
GGAACAGCCAACCAGACTCCACCGACGTGGTTGAAGAGAACACCCCCAGCTTTGGCATCCTCAAATA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009312

Insert Size: 351 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_009312.2](#), [NP_033338.2](#)

RefSeq Size: 698 bp

RefSeq ORF: 351 bp

Locus ID: 21334

UniProt ID: [P55099](#)

Cytogenetics: 10 D3

Gene Summary: This gene encodes a member of the tachykinin family of signaling peptides that is widely expressed in the central nervous system and plays a role in diverse processes such as water homeostasis, pulmonary inflammation, cognition, fear memory consolidation and preeclampsia. The encoded protein is enzymatically processed to generate the mature neuropeptide. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein.