

Product datasheet for **MC225712**

Tac2 (NM_001199971) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tac2 (NM_001199971) Mouse Untagged Clone

Tag: Tag Free

Symbol: Tac2

Synonyms: PPT-B; Tac3

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC225712 representing NM_001199971
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAGCGCCATGCTGTTTGGCGGTGTCTCGCCCTCAGCTTGGCTTGGACCTTCGGGGCTGTGTGTG
AGGAGCCACAGGGGAGGGAGGGAGGCTCAGTAAGGACTCTGATCTCTATCAGCTGCCTCCGTCCCTGCT
TCGGAGACTCTACGACAGCCGCCTGTCTCTCTGGAAGGATTGCTGAAAGTGCTGAGCAAGGCTAGCGTG
GGACCAAAGGAGACATCACTTCCACAGAAACGTGACATGCACGACTTCTTTGTGGGACTTATGGGCAAGA
GGAACAGCCAACCAGACTCCACCGACGTGGTTGAAGAGAACACCCCGAGCTTGGCATCCTCAAATA
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001199971

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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001199971.1, NP_001186900.1</u>
RefSeq Size:	870 bp
RefSeq ORF:	351 bp
Locus ID:	21334
UniProt ID:	<u>P55099</u>
Cytogenetics:	10 D3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>