

Product datasheet for **RN200477**

Tac1 (NM_001124770) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tac1 (NM_001124770) Rat Untagged Clone
Tag: Tag Free
Symbol: Tac1
Synonyms: Ppt5fl; PPTA3; RATPPTA3; TAC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200477 representing NM_001124770
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAATCCTCGTGGCGGTGGCGGTCTTTTTCTCGTTTCCACTCAACTGTTTGCAGAGGAAATCGGTG
 CCAACGATGATCTAAATTATTGGTCCGACTGGTCCGACAGTGACCAAATCAAGGAGGCAATGCCGGAGCC
 CTTTGAGCATCTTCTTCAGAGAATCGCCGAAGACCCAAGCCTCAGCAGTTCTTTGGATTAATGGGCAA
 CGGGATGCTGATTCTCAATTGAAAAACAAGTGGCCCTGTAAAGGCTCTTATGGGCATGGTCAGATCT
 CTCACAAAATGGCTTATGAAAGAAGCGCAATGCAGAACTACGAAAGAAGGCGTAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001124770

Insert Size: 339 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_001124770.1](#), [NP_001118242.1](#)

RefSeq Size: 995 bp

RefSeq ORF: 339 bp

Locus ID: 24806

UniProt ID: [P06767](#)

Cytogenetics: 4q21

Gene Summary: encodes neuropeptides substance P, neurokinin A, neuropeptide K, and neuropeptide gamma [RGD, Feb 2006]
Transcript Variant: This variant (4) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform d).