

Product datasheet for MC212273

Pth2 (NM_053256) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pth2 (NM_053256) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pth2
Synonyms: Tifp; Tifp39; TIP; Tip39
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212273 representing NM_053256
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGACCTGCCAGATGTCCAGGAGCCCCGAGAGCGGCTGTTGCTGCTTTTGCTGCTGCTACTGCTTG
 TGCCCTGGGGCACTGGCCCTGCCTCAGGTGTTGCCCTGCCCTCGCTGGTGTGTTACGCCTCCGCGCCCC
 GGGTCGTGCCTGGGCGGGCTTGGGTAGCCCCCTGTCTCGGCGCAGCCTGGCGCTAGCTGACGACGCGGCC
 TTTCGGGAGCGCGCGCCTGCTGGCCGCCCTGGAGCGCCGCGCTGGCTGGACTTTACATGCAGAAGC
 GTTTGCTACTGGACGCGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053256
Insert Size: 303 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_053256.2](#), [NP_444486.1](#)

RefSeq Size: 569 bp

RefSeq ORF: 303 bp

Locus ID: 114640

UniProt ID: [Q91W27](#)

Cytogenetics: 7 B3

Gene Summary: This gene encodes the precursor of a peptide hormone that shares sequence similarity with the parathyroid hormone. This gene is expressed in various regions of the brain where it plays a role in the release of pituitary hormones, anxiety and nociception. The encoded precursor protein is proteolytically processed to generate the biologically active neuropeptide. Mice lacking the encoded protein display increased fear and anxiety after exposure to stressful events, and decreased sensitivity to pain. [provided by RefSeq, Aug 2015]