

Product datasheet for **SC307181**

Tuberoinfundibular peptide (PTH2) (NM_178449) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Tuberoinfundibular peptide (PTH2) (NM_178449) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tuberoinfundibular peptide |
| Synonyms: | TIP39 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL6</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_178449 edited CCGGGATGCAGCCCTACTGAGCCCCTTTCTGGTTCTCCACAGGTGATGGAGACCCGCCAG GTGTCCAGGAGCCCTCGGGTTCGGCTGCTGCTGCTGCTGCTGCTGGTGGTGCCC TGGGGCGTCCGCACTGCCCTCGGGAGTCGCCCTGCCCCCGGTCGGGGTCTCAGCCTCCGC CCCCAGGACGGGCTGGGCGGATCCCGCCACCCAGGCCGCGGAGGAGCCTGGCGCTG GCGGACGACGCGCCTTCCGGGAGCGCGCGGTTGCTGGCCGCCCTCGAGCGCCGCCAC TGGCTGAACTCGTACATGCACAAGCTGCTGGTGTGGATGCGCCCTGAGCGCGCTGCCCG TCCCCATCTTAATAAAGACCATGCCCTGCGCTC |
| Restriction Sites: | Please inquire |
| ACCN: | NM_178449 |
| Insert Size: | 400 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). |
| OTI Annotation: | There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers this to be a polymorphism and to reflect the natural differences between individuals. |
| 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_178449.2](#), [NP_848544.1](#)

RefSeq Size: 459 bp

RefSeq ORF: 303 bp

Locus ID: 113091

UniProt ID: [Q96A98](#)

Cytogenetics: 19q13.33

Protein Families: Secreted Protein, Transmembrane

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. [provided by RefSeq, Jul 2015]