

## Product datasheet for **SC206821**

### Nociceptin (PNOC) (NM\_006228) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Nociceptin (PNOC) (NM\_006228) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** PNOC  
**Synonyms:** N/OFQ; NOP; OFQ; ppN/OFQ; PPNOC  
**ACCN:** NM\_006228  
**Insert Size:** 487 bp  
**Insert Sequence:** >SC206821 3'UTR clone of NM\_006228  
 The sequence shown below is from the reference sequence of NM\_006228. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGCACCCCTGCACCAGAATGGTAATGTGTAGCCGGAAGGGCGCTCCTCCCAGCTGTACCGGCCACTGCA
ACCCATGAGCGTCCAGGTGATCCCCAAACAGCATGTGCTCAGCCCAGACCTGCCGCTGGGAATCAG
GATTCCTTCTTCCCAAGGCACTGAGCGCTGCAGATCCCGCAGGCTTCGTTTGCCTCCAGAACCTTCC
CGTCTGATTGTTCTCCCAGCCCCCTGGCATGTTTACCACAACCCTGTTGCTACATCAGAGTGTATT
TTTGTAATTCCTTAGCTACCATTTCAATAGCCCCATCTCTCCTGCTCACCCGCCTTTGCCCTTCTA
GGGGCAGGTGAAAGGAATAGGAAATTGAACCTGGGGTTTTGACTTGCCACTGCCATAACTGTTTGTAA
AAGAGCTGTTCTTTTACTGATTGTTTTAAACAACGATTTCTCCATTAACCTTCTACTGAGCAAATGG
TTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_006228.5](#)



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**Summary:** This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include nociceptin, nocistatin, and orphanin FQ2 (OFQ2). Nociceptin, also known as orphanin FQ, is a 17-amino acid neuropeptide that binds to the nociceptin receptor to induce increased pain sensitivity, and may additionally regulate body temperature, learning and memory, and hunger. Another product of the encoded preproprotein, nocistatin, may inhibit the effects of nociceptin. [provided by RefSeq, Jul 2015]

**Locus ID:** 5368

**MW:** 17.6