

## Product datasheet for **SC305005**

### **NPFF1 Receptor (NPFFR1) (NM\_022146) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** NPFF1 Receptor (NPFFR1) (NM\_022146) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NPFF1 Receptor  
**Synonyms:** GPR147; NPFF1; NPFF1R1; OT7T022  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_022146 edited  
 ATGGAGGGGGAGCCCTCCCAGCCTCCCAACAGCAGTTGGCCCTAAGTCAGAATGGGACT  
 AACACTGAGGCCACCCCGCTACAAACCTCACCTTCTCCTCCTACTATCAGCACACTCC  
 CCTGTGGCGGCCATGTTCAATTGTGGCCTATGCGCTCATCTTCTGCTCTGCATGGTGGGC  
 AACACCCTGGTCTGTTTCATCGTCTCAAGAACCAGGCACATGCATACTGTCAACCAACATG  
 TTCATCTCAACCTGGCTGTGAGTACCTGCTGGTGGGCATCTTCTGCATGCCACCACC  
 CTTGTGGACAACCTCATCACTGGGTGGCCCTTCGACAATGCCACATGCAAGATGAGCGGC  
 TTGGTGCAGGGCATGTCTGTGTCGGCTTCCGTTTTCACTGGTGGCCATTGCTGTGGAA  
 AGGTTCCGCTGCATCGTGCACCTTTCCGCGAGAAGCTGACCCTGCGGAAGGCGCTCGTC  
 ACCATCGCGTCACTGCGCCCTGGCGCTGCTCATCATGTGTCCCTCGGCCGTACGCTG  
 ACCGTCACCCGTGAGGAGCACCCTTTCATGGTGGACGCCCAACCGCTCCTACCCTCTC  
 TACTCCTGCTGGGAGCCCTGGCCCGAGAAGGGCATGCGCAGGGTCTACACCACTGTGCTC  
 TTCTCGCACATCTACCTGGCGCCCTGGCGCTCATCGTGGTCACTGACGCCCGCATCGCG  
 CGCAAGCTCTGCCAGGCCCGGGCCCGCCCGGGGGCGAGGAGGCTGCGGACCCGCGA  
 GCATCGCGGCGCAGAGCGCGCTGGTGCACATGCTGGTCACTGGTGGCGCTGTTCTTACG  
 CTGTCTGGTGGCGCTCTGGCGCTGCTGCTCATCGACTACGGGACGCTACGCGG  
 CCGCAGCTGCACCTGGTACCGTCTACGCCTTCCCCTTCGCGCACTGGCTGGCCTTCTTC  
 AACAGCAGCGCCAACCCATCATCTACGGCTACTTCAACGAGAATTCCGCCGCGGCTTC  
 CAGGCCGCTTCCGCGCCCGCTCTGCCCGCCCGCTCGGGGAGCCACAAGGAGGCTAC  
 TCCGAGCGGCCCGCGGCTTCTGCACAGCGGGTCTTCTGTTGGTGGCGCCAGCGAC  
 TCCGGGCTGCCCTCTGAGTCGGGCCCTAGCAGTGGGGCCCCAGGCCCGCCGCTCCCG  
 CTGCGGAATGGCGGGTGGCTACCACGGCTTGGCCAGGGAAGGGCTGGCTGCTCCAC  
 CTGCCCTCACCATTCAGCCTGGGATATCTGA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_022146



[View online >](#)

<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	There is one nucleotide differences between the OriGene clone and the NCBI reference ORF, but these are silent and do not change the amino acid sequence of the deduced protein.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022146.1</a> , <a href="#">NP_071429.1</a>
<b>RefSeq Size:</b>	1293 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	64106
<b>UniProt ID:</b>	<a href="#">Q9GZQ6</a>
<b>Cytogenetics:</b>	10q22.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. [UniProtKB/Swiss-Prot Function]