

## Product datasheet for **SC325909**

### **NPFFR2 (NM\_001144756) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	NPFFR2 (NM_001144756) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	NPFFR2
<b>Synonyms:</b>	GPR74; HLWAR77; NPFF2; NPGPR
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001144756, the custom clone sequence may differ by one or more nucleotides ATGTTTCATCATGAATGAGAAATGGGACACAAACTCTTCAGAAAATGGCATCCCATCTGG AATGTCAATGACACAAAGCATCATCTGTAAGTATTAATATTACCTATGTGAACTAC TATCTTACCAGCCTCAAGTGGCAGCAATCTTCATTATTTCTACTTTCTGATCTTCTTT TTGTGCATGATGGGAAATACTGTGGTTTGTCTTATTGTAATGAGGAACAAACATATGCAC ACAGTCACTAATCTTTCATCTTAAACCTGGCCATAAGTGATTTACTAGTTGGCATATTC TGCATGCCTATAACTGCTGGACAATATTATAGCAGGATGGCCATTTGGAAACACGATG TGCAAGATCAGTGGATTGGTCCAGGAATATCTGTCGAGCTTCAGTCTTTACGTTAGTT GCAATTGCTGTAGATAGTTCCAGTGTGTGGTCTACCCTTTTAAACCAAAGCTCACTATC AAGACAGCGTTTGTCAATTATTATGATCATCTGGGTCTAGCCATCACCATTATGTCTCCA TCTGCAGTAATGTTACATGTGCAAGAAGAAAAATATTACCGAGTGAGACTCAACTCCCAG AATAAAACCAGTCCAGTCTACTGGTGCCGGGAAGACTGGCCAAATCAGGAAATGAGGAAG ATCTACACCAGTGTGCTGTTTGGCAACATCTACCTGGCTCCCCTCTCCCTCATTGTCATC ATGTATGGAAGGATTGGAATTTCACTCTTCAGGGCTGCAGTTCCTCACACAGGCAGGAAG AACCAGGAGCAGTGGCACGTGGTGTCCAGGAAGAAGCAGAAGATCATTAAAGATGCTCCTG ATTGTGGCCCTGCTTTTTATTCTCTCATGGCTGCCCTGTGGACTCTAATGATGCTCTCA GACTACGCTGACCTTTCTCCAAATGAACTGCAGATCATCAACATCTACATCTACCCTTTT GCACACTGGCTGGCATTTCGCAACAGCAGTGTCAATCCCATCATTATGGTTTCTTCAAC GAGAATTTCCGCCGTGGTTTCCAAGAAGCTTTCCAGCTCCAGCTCTGCCAAAAAGAGCA AAGCCTATGGAAGCTTATGCCCTAAAAGCTAAAAGCCATGTGCTCATAAACACATCTAAT CAGCTTGTCCAGGAATCTACATTTCAAACCCCTCATGGGAAACCTTGCTTTATAGGAAA AGTGCTGAAAAACCCCAACAGGAATTAGTGATGGAAGAATTAAGAAACTACTAACAGC AGTGAGATT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001144756



[View online »](#)

<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>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_001144756.1</a></u> , <u><a href="#">NP_001138228.1</a></u>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	10886
<b>UniProt ID:</b>	<u><a href="#">Q9Y5X5</a></u>
<b>Cytogenetics:</b>	4q13.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>This gene encodes a member of a subfamily of G-protein-coupled neuropeptide receptors. This protein is activated by the neuropeptides A-18-amide (NPAF) and F-8-amide (NPFF) and may function in pain modulation and regulation of the opioid system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>