

Product datasheet for **SC303542**

NPFFR2 (NM_004885) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPFFR2 (NM_004885) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPFFR2
Synonyms:	GPR74; HLWAR77; NPFF2; NPGPR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004885 edited
 GCCACCATGAATAGCTTCTTCGGAACCCAGCGGCCAGCTGGTGCCTCCTGGAAAGTGAC
 GTCTCATCTGCACCGGACAAGGAGGCGGGGAGGGAGCGCAGAGCACTCAGCGTCCAGCAG
 CGCGGGCGGGCCAGCCTGGAGCGGAAGCCTGGAGTGGAGCAGGCAGTCCGCGGGGGACAGA
 CGTCGGCTGGGATTGAGCCGGCAGACTGCGAAAAGTAGCTGGAGCCGGAGCAGGGACAGA
 ACCTGTTGCTGCAGACGGGCTTGGTGGATTCTGGTTCCTGCCCGGACAGGGCTCGCCGG
 GAGAGGTTTCATCATGAATGAGAAATGGGACACAAACTCTTCAGAAAACAGGCATCCCATC
 TGGAAATGTCAATGACACAAAGCATCATCTGTACTCAGATATTAATATTACCTATGTGAAC
 TACTATCTTACCAGCCTCAAGTGGCAGCAATCTTATTATTTCTACTTTCTGTATCTTC
 TTTTTGTGCATGATGGGAAATACTGTGGTTTGCTTTATTGTAATGAGGAACAAACATATG
 CACACAGTCACTAATCTTTCATCTTAAACCTGGCCATAAGTGATTTACTAGTTGGCATA
 TTCTGCATGCCTATAACTGCTGGACAATATTATAGCAGGATGGCCATTTGAAACACG
 ATGTGCAAGATCAGTGGATTGGTCCAGGGAATATCTGTCCGAGCTTCAGTCTTTACGTTA
 GTTGCAATTGCTGTAGATAGGTTCCAGTGTGTGGTCTACCCTTTTAAACCAAAGTCACT
 ATCAAGACAGCGTTTGTCAATTATTATGATCATCTGGGTCTAGCCATCACCATTATGTCT
 CCATCTGCAGTAATGTTACATGTGCAAGAAGAAAATATTACCGAGTGAGACTCAACTCC
 CAGAATAAAACCAGTCCAGTCTACTGGTCCCGGAAAGACTGGCCAAATCAGGAAATGAGG
 AAGATCTACACCACTGTGCTGTTTGCCAACATCTACCTGGCTCCCCTCTCCCTCATTGTC
 ATCATGTATGGAAGGATTGGAATTTCACTCTTCAGGGCTGCAGTTCCTCACACAGGCAGG
 AAGAACCAGGAGCAGTGGCACGTGGTGTCCAGGAAAAGCAGAAGATCATTAAAGATGCTC
 CTGATTGTGGCCCTGCTTTTTATTCTCTCATGGCTGCCCTGTGGACTCTAATGATGCTC
 TCAGACTACGCTGACCTTTCTCCAAATGAACTGCAGATCATCAACATCTACATCTACCCT
 TTTGCACACTGGCTGGCATTTCGGCAACAGCAGTGTCAATCCCATCATTTATGGTTTCTTC
 AACGAGAATTTCCGCGTGGTTTCCAAGAAGCTTTCAGCTCCAGCTCTGCCAAAAAAGA
 GCAAAGCCTATGGAAGCTTATACCCTAAAAGCTAAAAGCCATGTGCTCATAAACACATCT
 AATCAGCTTGTCCAGGAATCTACATTTCAAACCCCTCATGGGAAACCTTGCTTTATAGG
 AAAAGTGTGAAAAACCCCAACAGGAATTAGTGATGGAAGAATTAAGAAACTACTAAC
 AGCAGTGAGATTTAA

Restriction Sites: Please inquire

ACCN: NM_004885

Insert Size: 1600 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: TrueClone.

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).

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:	<u>NM_004885.1, NP_004876.1</u>
RefSeq Size:	1936 bp
RefSeq ORF:	1569 bp
Locus ID:	10886
UniProt ID:	<u>Q9Y5X5</u>
Cytogenetics:	4q13.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>