

Product datasheet for **SC216725**

Nociceptin receptor (OPRL1) (NM_000913) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Nociceptin receptor (OPRL1) (NM_000913) Human 3' UTR Clone
Symbol:	Nociceptin receptor
Synonyms:	KOR-3; KOR3; NOCIR; NOP; NOPr; OOR; OPRL; ORL1; PNOCR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000913
Insert Size:	1864 bp



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Insert Sequence: >SC216725 3'UTR clone of NM_000913
 The sequence shown below is from the reference sequence of NM_000913. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
ACCTCTGAGACGGTACC GCGGCCGCATGACTAGGCGTGGACCTGCCCATGGTGCCTGTACAGCCCGCAG
AGCCCATCTACGCCAACACAGAGCTCACACAGGTCACTGCTCTTAGGCGGACACACCCCTGGGCCCTG
AGCATCCAGAGCTGGGATGGGCTTTTCCCTGTGGGCCAGGGATGCTCGTCCCAGAGGAGGACCTAGT
GACATCATGGGACAGGTCAAAGCATTAGGGCCACCTCCATGGCCCCAGACAGACTAAAGCTGCCCTCCT
GGTGCAGGGCCGAGGGGACACAAGGACCTACCTGGAAGCAGCTGACATGCTGGTGGACGGCCGTGACTG
GAGCCCGTGCCCTCCCTCCCGTGCTTATGTGACTCTTGGCCTCTCTGCTGCTGCGTTGGCAGAACC
CTGGGTGGGCAGGCACCCGGAGGAGGAGCAGCAGCTGTGTATCTGTGCCCCCATGTGCTGTGTGCT
GTTTGCATGGCAGGGCTCCAGCTGCCTTACGCCCTGTGACGTCTCCTCAGGGCAGCTGGACAGGCTTGG
CACTGCCCGGGAAGTGCAGCAGGAGCTTTTCTTTGGGGTGGGACTTGCCTGAGCTTGGAGCTGCCAC
CTGGAGGACTTGCTGTTCCGACTCCACCTGTGCAGCCGGGGCCACCCAGGAGAAAGTGTCCAGGTGG
GGGCTGGCAGTCCCTGGCTGCAGACCCGAGCTGGCCCTGGGCCAGCCGACCTCTGAAGGTTTTCTGT
GTGCTGCACGGTGCAGGCCTCATCCCTGACTGCAGTTGACTCTGGGCCAACCCCATTTCCCTTACAG
GAGACCAGCGAGAGGCCCTGGCCATCCCTCCAGCGGTGCAATGAACTATCATGCTGTGGACCGTCAA
CCCAGCCCTGCTTCTCAGTGTGGGGCAGGTGTCTCAGGACGAAGGCGCCGCTGACCACATGGGCAGCT
CTGTTACAAAAGTGGAGGCCTCGTTTTCTGGTCTTACTGCTCTGTTTGGGTGGGAGAAGATTCTGTG
GGGTCCCCACATCCTCCAAGGCTCCCTCACAGCCTCCTTTGCTTGAAGCCAGAGGTCACTGGCC
GTGCTGTGTTGCGGGGAAGCTGTGTGGAAGGAGAAGCTGGTGGCCACAGCAGAGTCTGCTCTGGGGA
CGCCTGCTTCATTTACAAGCCTCAAGATGGCTCTGTGTAGGGCCTGAGCTTGTGCCAACGGGAGGAT
GGCTTCACAGCAGAGCCAGCATGAGGGGTGGGGCTGGCAGGGCTTGCTTGAAGCCAACTGCAAAGGCT
GTGGTGGCTGTGAGGACTGCGGGGGTGGGGGGGGGGCTGTACCTCAGGGGATGCCCCGCTGTG
GTCACCCAGAGAATCACCTTCTGGTCTACAGATGGAAGCTGCAGGTTGGTACTTTGCAAATGCACT
TCCTACAGATGAACTATTAAGACCTGCAACATTGAAAAACTCATTTTTTCCACAAAACCTTGCC
AGGTAACCTACCTTAGGCACCTGCAAAGAACAGGAAGTATGGCTGTCTCGAACAGAGCCTGGGCTGC
TCCTCCTGCTCTGGGAGTCTAGGCCGTGGGACTGTTCTGGGAGGCTCATGCTGTCTCCATGACGTC
TGTGGCAGGAGTCCCTGAGGACGGGAGCTGCCTAGCTACAGTTTTCTTGCCAAGGCGAGGTGTTTTGTG
AATCTGTGCTGATGTAATGTGCACCTTACGTATTTATGCATGTGGCAAGCGTTACTTCTGTGCACGT
AGCCAGCCCTGGGTCTGTCTCTGGGTAATGAAAAAGGACCCTAATAAACACCTGCTCACTGGCTGGGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_000913.6](#)

Summary:

The protein encoded by this gene is a member of the 7 transmembrane-spanning G protein-coupled receptor family, and functions as a receptor for the endogenous, opioid-related neuropeptide, nociceptin/orphanin FQ. This receptor-ligand system modulates a variety of biological functions and neurobehavior, including stress responses and anxiety behavior, learning and memory, locomotor activity, and inflammatory and immune responses. A promoter region between this gene and the 5'-adjacent RGS19 (regulator of G-protein signaling 19) gene on the opposite strand functions bi-directionally as a core-promoter for both genes, suggesting co-operative transcriptional regulation of these two functionally related genes. Alternatively spliced transcript variants have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2017]

Locus ID:

4987

MW:

65.2