

Product datasheet for **MC205761**

Kiss1r (NM_053244) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kiss1r (NM_053244) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kiss1r
Synonyms:	Gpr54; KiSS-1; kiSS-1R
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_053244, the custom clone sequence may differ by one or more nucleotides

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GCCAGCAACAGAGGCCAGGACGCAGGTATCCCTGGAGAGCGGCCCTGGCCCCGAGGAGGAGTGGGGTCT
CCCTCTGGTCCCCACAGTCCCAGGACACAATCCTTGAAGGTTGCCTGGAGGAAGAGAGCGACAGAGGTGG
GGAAGCATGGCCACCGAGGCGACATTGGCTCCCAATGTGACCTGGTGGGCTCCGTCCAACGCTTCAGGAT
GCCAGGCTGCGGTGTCAACGCCTCGGATGACCCAGGCTCTGCGCAAGGCCCTGGATGCCTGGCTGGT
TCCCCTGTTTTTCGCTACACTCATGTTGCTTGGGCTGGTCGAAACTCATTGGTCATCTACGTTATCTGC
CGCCACAAGCACATGCAGACAGTTACCAACTTCTACATCGCTAACCTGGTGCCACAGACGTCACTTTC
TACTGTGCTGCGTGCCCTTACCAGCACTCTCTACCCGCTGCCCGCTGGGTGCTGGGAGACTTCATGTG
CAAATTCGTCAACTACATCCAGCAGGTCTCGGTGCAAGCCACATGTGCCACTCTGACGGCCATGAGTGTG
GACCGTGGTATGTGACTGTGTTCCCGCTGCGTGCACTTACCAGCCGCACTCCGCGCTGGCCCTGGCTG
TCAGCCTCAGCATCTGGGTGGGGTCAAGCAGCTGTGTCGCCCCGGTGTGCCCTGCACCGCCTGTCCGC
AGGGCCTCGCACCTACTGCAGCAGGCGTTTCCAGCCGCGCCCTGGAGCGCCCTTCGCGCTCTACAAC
CTGCTGGCTCTATATCTGCTGCCGCTGCTCGCCACCTGCGCCTGTACGGCGCCATGCTGCGCCACCTGG
GCCGTGGCGGTGTACGCCCCGCACCCACTGACGGCGCCCTGCAGGGACAGCTGCTAGCACAGCGCCCGG
AGCAGTGCCGACCAAGGTCTCCCGGCTGGTGGCCGCTGTGCTCCTGCTTTCGCCGCTGCTGGGGCCCG
ATCCAGCTGTTTCTGGTCTTCAAGCCCTGGGCCCTCGGGGCTGGCACCCCTCGAAGCTATGCCGCT
ACGCGGTCAAGATCTGGGCTCACTGCATGTCTACAGCAACTCGGCGCTCAATCCGCTGCTCTATGCCTT
CCTGGGTTCACTTTCAGACAGGCTTCTGCCGCTGTGCCCTGCTGCCGGCAACGCCAGCGCCGGCC
CACACGTCAGCGCACTCGGACCGAGTCAACTCACACTGTGCCGCACAGCCGTGCTGCCACCCCTGTGC
GGATCAGGAGCCCGAGCCTGGGAACCCGTGGTGGCTGCGCTGCGCTCAGAGTGAACGCACTGCTGC
ACTCTGAGCCGGTCTGCTGTGGGTAAGCATCCAGGCTGCTTGGCTGGTGGTAAATGGTTT
AGTTAATCTTTGTAATGGCCTTTTCTCCATTTGGCACCCGTATGCCCTGGTTTTTGTGTGGATGTTG
TGATAATCTCTGTAATCTTTGAAGATTAATGCTCCTCACTTTCTGCATCTTTTTTATTTATTTTTCTT
CTCAGGTGCTGAGAACCGAACCAGGAGTTGTGTTATGGGGCAAGCAATGAACTACTAACTAAAAAAA
AAAAAAAAAA
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Restriction Sites: RsrII-NotI

ACCN: NM_053244

Insert Size: 1191 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC016531](#), [AAH16531](#)

RefSeq Size: 1621 bp

RefSeq ORF: 1191 bp

Locus ID: 114229

UniProt ID: [Q91V45](#)

Cytogenetics: 10 C1

Gene Summary: Receptor for metastin (kisspeptin-52 or kp-52), a C-terminally amidated peptide of KiSS1. KiSS1 is a metastasis suppressor protein. Activation of the receptor inhibits cell proliferation and cell migration, key characteristics of tumor metastasis. The receptor is essential for normal gonadotropin-released hormone physiology and for puberty. The hypothalamic KiSS1/KISS1R system is a pivotal factor in central regulation of the gonadotropic axis at puberty and in adulthood. Analysis of the transduction pathways activated by the receptor identifies coupling to phospholipase C and intracellular calcium release through pertussis toxin-insensitive G(q) proteins.[UniProtKB/Swiss-Prot Function]