

Product datasheet for **MG206203**

Kiss1r (NM_053244) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kiss1r (NM_053244) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kiss1r
Synonyms:	Gpr54; KiSS-1; kiSS-1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206203 representing NM_053244 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCGAGGCGACATTGGCTCCCAATGTGACCTGGTGGGCTCCGTCCAACGCTTCAGGATGCCAG
GCTGCGGTGTCAACGCCTCGGATGACCCAGGCTCTGCGCCAAGGCCCTGGATGCCTGGCTGGTTCCCT
GTTTTTCGCTACACTCATGTTGCTTGGGCTGGTCGGAACTCATTGGTCATCTACGTTATCTGCCGCCAC
AAGCACATGCAGACAGTTACCAACTTCTACATCGCTAACCTGGCTGCCACAGACGTCACCTTCTACTGT
GCTGCGTGCCCTTACCAGCACTCTACCCGCTGCCCGCTGGGTGCTGGGAGACTTCATGTGCAAATT
CGTCAACTACATCCAGCAGGTCTCGGTGCAAGCCACATGTGCCACTCTGACGGCCATGAGTGTGGACCGC
TGGTATGTGACTGTGTTCCCGCTGCGTGCACTTACCAGCCGCACTCCGCGCTGGCCCTGGCTGTACGCC
TCAGCATCTGGGTGGGTCAGCAGCTGTGTCGCCCGCGGTGCTGGCCCTGCACCGCTGTGCGCAGGGCC
TCGCACCTACTGCAGCGAGGCGTTTCCAGCCGCGCCCTGGAGCGCGCCTTCGCGCTCTACAACCTGCTG
GCTCTATATCTGCTGCCGCTGCTCGCCACTGCGCCTGCTACGGCGCCATGCTGCGCCACCTGGGCCGTG
CGGCTGTACGCCCCGACCCACTGACGGCGCCCTGCAGGGACAGCTGCTAGCACAGCGCGCCGGAGCAGT
GCGCACCAAGGTCTCCCGGCTGGTGGCCGCTGTCTGCTCTTCGCCCGCTGCTGGGCCCCGATCCAG
CTGTTCTGGTGCTTCAAGCCCTGGGCCCTCGGGGCTGGCACCCCTGAAGCTATGCCCTACCGCGG
TCAAGATCTGGGCTCACTGCATGTCTACAGCACTCGGCGCTCAATCCGCTGCTCTATGCCTTCCCTGGG
TTCACACTTCAGACAGGCCTTCTGCCGCTGTGCCCTGCTGCCGCAACGCCAGCGCGGCCCCACAGC
TCAGCGCACTCGGACCGAGCTGCAACTCACACTGTGCCGACAGCCGTGCTGCGCACCTGTGCGGATCA
GGAGCCCCGAGCCTGGGAACCCTGTGGTGCCTCGCCCTGCGCTCAGAGTGAACGCACTGCCTCACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206203 representing NM_053244
Red=Cloning site Green=Tags(s)

MATEATLAPNVTWWAPSNASGCPGCGVNASDDPGSAPRPLDAWL VPLFFATLMLLGLVGNSLVIYVICRH
 KHMOTVTNFYIANLAATDVTFLLCCVPFTALL YPLPAWVLGDFMCKFVNYIQQVSVQATCATLTAMSVDR
 WYVTVFPLRALHRRTPRLALAVLSIIVGSAAVSAPVLALHRLSPGPRTYCSEAFPSRALERAFALYNLL
 ALYLLPLLATCACYGAMLRHLGRAAVRPAPTDGALQGQLLAQRAGAVRTKVSRLVAAVVLLFAACWGPIQ
 LFLVLQALGPSGAWHPRSAAAYAVKIWAHCMSYSNSALNPLLYAFLGSHFRQAF CRVCPCCRQRQRPHPT
 SAHSDRAATHVPHSRAAHPVIRSRPEPGNPVVRSPCAQSERTASL

TRTRPLE - GFP Tag - V

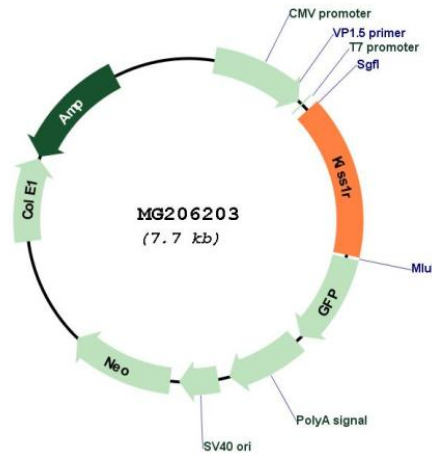
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053244

ORF Size:	1188 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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:	NM_053244.5
RefSeq Size:	3075 bp
RefSeq ORF:	1191 bp
Locus ID:	114229
UniProt ID:	Q91V45
Cytogenetics:	10 C1
Gene Summary:	<p>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]</p>