

## Product datasheet for RR216556

### Kiss1r (NM\_001301151) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Kiss1r (NM\_001301151) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Kiss1r  
 Synonyms: Gpr54  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR216556 representing NM\_001301151  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCCGACAGAGGCGACGTTGGGTCCGAACGTGAGCTGGTGGGCTCCGTCCAACGCTTCGGGATGCCCGG  
 GCTGCGGTGTCAATGCCTCGGATGGCCAGGCTCCGCGCCAAGGCCCTGGATGCCTGGTGGTCCCT  
 GTTTTTCGCTGCCCTAATGTTGCTGGGGCTAGTCGGGAACCTCACTGGTCACTCTTCGTTATCTGCCGCCAC  
 AAGCACATGCAGACCGTACCAATTTCTACATCGCTAACCTGGCGGCCACAGATGTCACCTTCCTTCTGT  
 GCTGCGTACCCCTCACCGCGCTCCTCTATCCGCTGCCACCTGGGTGCTGGGAGACTTCATGTGCAAATT  
 CGTCAACTACATCCAGCAGGTCTCGGTGCAAGCCACATGTGCCACTTTGACAGCCATGAGTGTGGACCGC  
 TGGTACGTGACTGTGTTCCCGCTGCGTGCACTTACCAGCCGCACTCCGCGCCTGGCCCTGACTGTCAGCC  
 TTAGCATCTGGGTGGGTTCCGCAGCTGTTCCGCCCGGTGCTGGCTCTGCATCGCCTGTCGCCCCGGCC  
 TCACACCTACTGCAGTGAGGCGTTTCCAGCCGTGCCCTGGAGCGCGCTTTCGCGCTCTACAACCTGCTG  
 GCCCTATACCTGCTGCCGCTGCTCGCCACCTGCGCCTGTACGGTGCCATGCTGCGCCACCTGGGCCCGC  
 CCGTGTACGCCCGCACCCACTGATGGCGCCCTGCAGCTGTAGCACAGCGCGCTGGAGCAGTGGCAGC  
 CAAGGTCTCCCGCTGGTGGCCGCTGTCGTCCTGCTCTTCGCGCCTGCTGGGGCCGATCCAGCTGTTT  
 CTGGTGTCTCAAGCCCTGGGCCCTCGGGGCTGGCACCTCGAAGCTATGCCGCTACGCGCTCAAGA  
 TCTGGGCTCACTGCATGTCTACAGCAATTCTGCGCTCAACCCGCTGCTCTATGCCTTCTGGGTTCCCA  
 CTTCAGACAGGCTTCTGCCGCTGTGCCCTGCGGCCGCAACGCCAGCGTCCGCCCCACGCGTCAGCG  
 CACTCGGACCGAGCCGACCCCATAGTGTGCCGACAGCCGGGCTGCGCACCTGTCCGGGTGAGAACCC  
 CCGAGCCTGGGAACCCTGTGGTGCCTCGCCCTGTTCAGGATGAACACTGCCCACT

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 TTACAAGGATGACGACGATAAGGTTTAA



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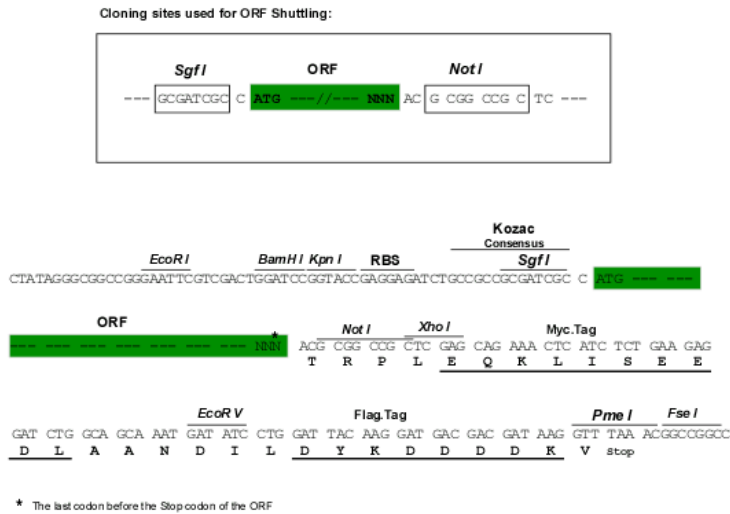
Protein Sequence: >RR216556 representing NM\_001301151  
 Red=Cloning site Green=Tags(s)

MAAEATLGNVSWWAPSNASGCPGCGVNASDGPASAPRPLDAWL VPLFFAALMLLGLVGNSLVIFVICRH  
 KHMOTVTNFYIANLAATDVTFLLCCVPFTALL YPLPTWVLGDFMCKFVNYIQQVSVQATCATLTAMSVD R  
 WYVTVFPLRALHRRTPRLAL TVSLSIWVGSAAVSAPVLALHRLSPGPHTYCEAFPSRALERAFALYNLL  
 ALYLLPLLATCACYGAMLRHLGRAAVRPAPTGDALQLLAQRAGAVRTKVSRLVAAVVLLFAACWGP IQLF  
 LVLQALGPSGAWHPRSAAAYALKIWAHCMSYSNSALNPLLYAFLGSHFRQAF CRVPCGPGQRQRPHASA  
 HSDRAAPHSVPHSRAAHPVVRTPEPGNPVVRSPSVQDEHTAPL

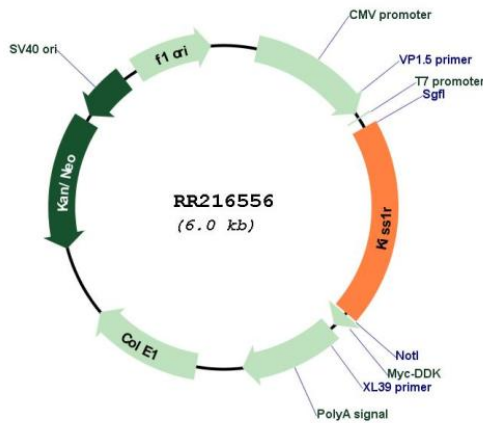
TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-NotI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001301151

<b>ORF Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001301151.1</a> , <a href="#">NP_001288080.1</a>
<b>RefSeq Size:</b>	1496 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	78976
<b>Cytogenetics:</b>	7q11
<b>MW:</b>	42.6 kDa
<b>Gene Summary:</b>	a G protein-coupled receptor; human homolog may bind ligand and metastasis suppressor gene KiSS-1 [RGD, Feb 2006]