

Product datasheet for **RN216556**

Kiss1r (NM_001301151) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kiss1r (NM_001301151) Rat Untagged Clone
Tag: Tag Free
Symbol: Kiss1r
Synonyms: Gpr54
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216556 representing NM_001301151
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGAGGCGACGTTGGGTCCGAACGTGAGCTGGTGGGCTCCGTCCAACGCTTCGGGATGCCCGG
GCTGCGGTGTCAATGCCTCGGATGGCCAGGCTCCGCGCCAAGGCCCTGGATGCCTGGTGGTCCCT
GTTTTTCGCTGCCCTAATGTTGCTGGGGCTAGTCGGGAACCTCACTGGTCATCTTCGTTATCTGCCGCCAC
AAGCACATGCAGACCGTACCAATTTCTACATCGCTAACCTGGCGGCCACAGATGTCACCTTCCTTCTGT
GCTGCGTACCCCTCACCCGCTCCTCTATCCGCTGCCACCTGGGTGCTGGGAGACTTCATGTGCAAATT
CGTCAACTACATCCAGCAGGTCTCGGTGCAAGCCACATGTGCCACTTTGACAGCCATGAGTGTGGACCGC
TGGTACGTGACTGTGTTCCCGCTGCGTGCACTTACCAGCCGCACTCCGCGCTGGCCCTGACTGTCAGCC
TTAGCATCTGGGTGGGTTCCGCAGCTGTTCCGCCCGGTGCTGGCTCTGCATCGCTGTCGCCCCGGCC
TCACACCTACTGCAGTGAGGCGTTTCCAGCCGTGCCCTGGAGCGCGCTTTCGCGCTCTACAACCTGCTG
GCCCTATACCTGCTGCCGCTGCTGCCACCTGCGCCTGTACGGTGCCATGCTGCGCCACCTGGGCCCGC
CCGCTGTACGCCCGCACCCACTGATGGCGCCCTGCAGCTGTAGCACAGCGCGCTGGAGCAGTGGCCAC
CAAGGTCTCCCGCTGGTGGCCGCTGTCGCTCTTCGCGCCTGCTGGGGCCGATCCAGCTGTTTC
CTGGTGTCAAGCCCTGGGCCCTCGGGGCTGGCACCTCGAAGCTATGCCGCTACGCGCTCAAGA
TCTGGGCTCACTGCATGTCTACAGCAATTCTGCGCTCAACCCGCTGCTCTATGCCTTCTGGGTTCCCA
CTTCAGACAGGCTTCTGCCGCTGTGCCCTGCGGCCGCAACGCCAGCGTGGGCCACGCGTCAAGC
CACTCGGACCGAGCCGACCCCATAGTGTGCCGACAGCCGGGCTGCGCACCTGTCCGGGTGAGAACCC
CCGAGCCTGGGAACCCTGTGGTGCCTCGCCCTGTTCAGGATGAACACTGCCCACT**TGA**

AC**GCGGCCG**CTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI



ACCN:	NM_001301151
Insert Size:	1185 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001301151.1, NP_001288080.1</u>
RefSeq Size:	1496 bp
RefSeq ORF:	1185 bp
Locus ID:	78976
Cytogenetics:	7q11
Gene Summary:	<p>a G protein-coupled receptor; human homolog may bind ligand and metastasis suppressor gene KiSS-1 [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) uses an alternate, in-frame acceptor splice site at the 3' terminal exon compared to variant 1. The resulting shorter isoform (2) lacks two internal amino acids compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>