

Product datasheet for RC218403L4

OriGene Technologies, Inc.

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KiSS1 receptor (KISS1R) (NM_032551) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KiSS1 receptor (KISS1R) (NM_032551) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: KiSS1 receptor

Synonyms: AXOR12; CPPB1; GPR54; HH8; HOT7T175; KISS-1R

Mammalian Cell Puromycin

Selection:

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Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

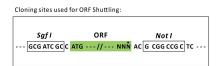
ORF Nucleotide

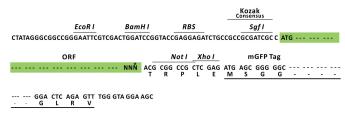
The ORF insert of this clone is exactly the same as(RC218403).

Sequence:

Restriction Sites: Sgfl-Notl

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_032551 **ORF Size:** 1194 bp





KiSS1 receptor (KISS1R) (NM_032551) Human Tagged Lenti ORF Clone - RC218403L4

OTI Disclaimer: 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

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: 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 032551.3

 RefSeq Size:
 1607 bp

 RefSeq ORF:
 1197 bp

 Locus ID:
 84634

 UniProt ID:
 Q969F8

 Cytogenetics:
 19p13.3

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 42.4 kDa

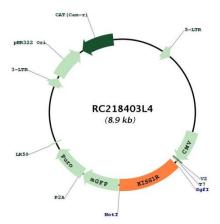
Gene Summary: The protein encoded by this gene is a galanin-like G protein-coupled receptor that binds

metastin, a peptide encoded by the metastasis suppressor gene KISS1. The tissue distribution of the expressed gene suggests that it is involved in the regulation of endocrine function, and this is supported by the finding that this gene appears to play a role in the onset of puberty. Mutations in this gene have been associated with hypogonadotropic hypogonadism and

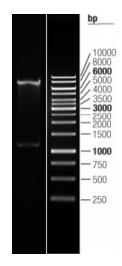
central precocious puberty. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC218403L4



Double digestion of RC218403L4 using Sgfl and Notl