

Product datasheet for **RC218403**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	KiSS1 receptor (KISS1R) (NM_032551) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KiSS1 receptor
Synonyms:	AXOR12; CPPB1; GPR54; HH8; HOT7T175; KISS-1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218403 representing NM_032551 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACACCGTGGCTACGTCCGGACCCAACGCGTCTGGGGGGCACCGGCCAACGCCTCCGGTGCCTGG
GCTGTGGCGCCAACGCCTCGGACGGCCAGTCCCTTCGCCGGGGCCGTGGACGCCTGGCTCGTCCCGT
CTTCTTCGCGGCGCTGATGCTGCTGGGCTGGTGGGAACTCGTGGTCACTACGTCATCTGCCGCCAC
AAGCCGATGCGGACCGTGACCAACTTCTACATCGCCAACCTGGCGCCACGGACGTGACCTTCTCTGT
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CGTCAACTACATCCAGCAGGTCTCGGTGCAGGCCACGTGTGCCACTCTGACCGCCATGAGTGTGGACCGC
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TCAGCATCTGGGTAGGCTCTGCGCGGTGTCTGCGCCGCTGCTCGCCCTGCACCGCCCTGTACCCGGGCC
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TCGCCGTGCGCCCCGCGCCCGGATAGCGCCCTGCAGGGCAGGTGCTGGCAGAGCGCGCAGGCGCCGT
GCGGGCCAAGGTCTCGCGGCTGGTGGCGCCGCTGGTCTGCTCTTCGCCCGCTGCTGGGGCCCCATCCAG
CTGTTCTGGTGTGCAAGCGCTGGGCCCCGCGGCTCCTGGCACCCACGCAGTACGCCGCTACGCGCTACGCG
TTAAGACCTGGGCTCACTGCATGTCTACAGCAACTCCGCGCTGAACCCGCTGCTACGCCTTCTGGG
CTCGCACTTCCGACAGGCCTTCCGCCGCTGCTGCCCTGCGCGCCGCGCCCGCCCGCCCGCCCGCGG
CCCGGACCTCGGACCCCGCAGCCACACGCGGAGTGTCCGCTGGGGTCCCACCCGCGCCCGGCCA
GGGCGCAGAAGCCAGGGAGCAGTGGGCTGGCCGCGCGGGCTGTGCTCCTGGGGAGGACAACGCCCC
TCTC

AC**CGGCCGCT**CGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAA
TTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218403 representing NM_032551
Red=Cloning site Green=Tags(s)

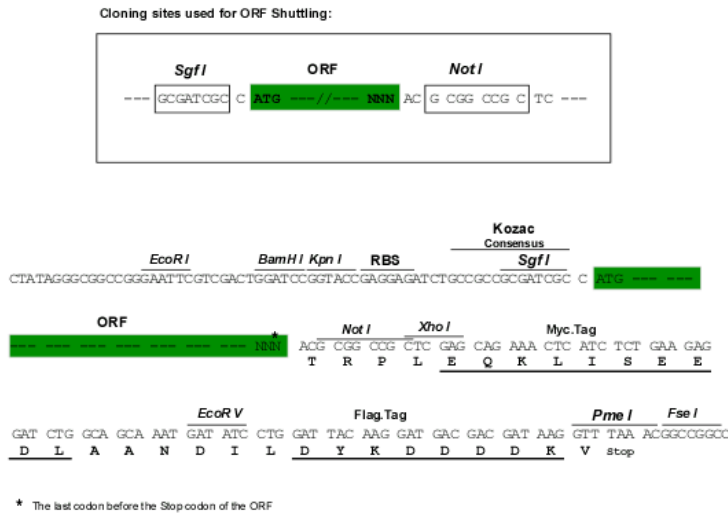
MHTVATSGPNASWGAPANASGCPGCGANASDGPVPSRAVDWL VPLFFAALMLLGLVGNLSLVIYVICRH
 KPMRTVTNFYIANLAATDVTFLLCCVPFTALLYPLPGWVLGDFMCKFVNYIQQVSVQATCATLTAMSVDR
 WYVTVFPLRALHRRTPRLALAVLSIIVGSAAVSAPVLALHRLSPGPRAYCSEAFPSRALERAFALYNLL
 ALYLLPLLATCACYAAMLRHLGRVAVRPAPADSALQGQVLAERAGAVRAKVSRLVAAVVLLFAACWGPIQ
 LFLVLQALGPAGSWHPRSAAAYALKTWAHCMSYSNSALNPLLYAFLGSHFRQAFRRVCPCAPRRRPRR
 PGPSPDAAPHAELLRLGSHPPARAQKPGSSGLAARGLCVLGEDNAPL

TRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6813_c01.zip

Restriction Sites: SgfI-NotI

Cloning Scheme:



ACCN: NM_032551

ORF Size: 1194 bp

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_032551.5](#)

RefSeq Size: 1607 bp

RefSeq ORF: 1197 bp

Locus ID: 84634

UniProt ID: [Q969F8](#)

Cytogenetics: 19p13.3

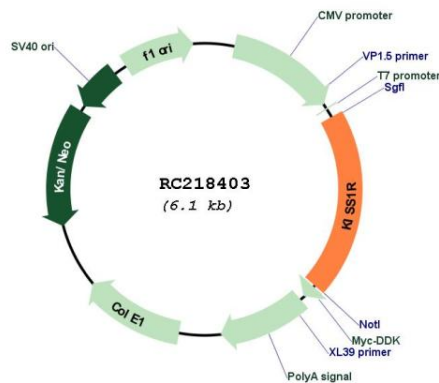
Protein Families: Druggable Genome, GPCR, Transmembrane

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 metastatin, 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 RC218403