

Product datasheet for MR203489

Gnrhr (BC061250) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnrhr (BC061250) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnrhr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203489 representing BC061250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAACAATGCATCTCTTGAGCAGGACCCAAATCACTGCTCGGCCATCAACAACAGCATCCCCTTGA
TACAGGGCAAGCTCCCGACTCTAACCGTATCTGGAAAGATCCGAGTGACCGTGACTTTCTCCTTTCT
ACTCTCTACTGCCTTCAATGCTTCCTTCTGTTGAAGCTGCAGAAGTGGACTCAGAAGAGGAAGAAAGGA
AAAAAGCTCTCAAGGATGAAGGTGCTTTTAAAGCATTTGACCTTAGCCAACCTGCTGGAGACTCTGATCG
TCATGCCACTGGATGGGATGTGGAATATTACTGTTTCAGTGGTATGCTGGGGAGTTCCTCTGCAAAGTTCT
CAGCTATCTGAAGCTCTTCTCTATGTATGCCCCAGCTTTCATGATGGTGGTGATTAGCCTGGACCGCTCC
CTGGCCATCACTCAGCCCTTGCTGTACAAAGCAACAGCAAGCTTGAACAGTCTATGATCAGCCTGGCCT
GGATTCTCAGCATTGTCTTTGCAGGACCACAGTTATATATCTTCAGGATGATCTACCTAGCAGACGGCTC
TGGGCCACAGTCTTCTCGCAATGTGTGACCCACTGCAGCTTCCACAGTGGTGGCATCAGGCCTTCTAC
AACTTTTTACCTTCGGCTGCCTCTTCATCATCCCCCTCCTCATGCTAATCTGCAATGCCAAAATCA
TCTTTGCTCTCACGCGAGTCCTTCATCAAGACCCACGCAGTACGGTATTCCTTAGATCTAAGAATCACTG
TAGACAAACGGAATTTAAACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203489 representing BC061250
Red=Cloning site Green=Tags(s)

MANNASLEQDPNHCSAINNSIPLIQGKLPTLTVSGKIRVTVTFFLFLSTAFNASFLLKLQKWTQKRKKG
 KKL SRMKVLLKHLTLANLLET LIVPLDGMWNITVQWYAGEFLCKVLSYLKLF SMYAPAFMMVVISLDRS
 LAITQPLAVQSNKLEQSMISLAWILSIVFAGPQLYIFRMIY LADGSGPTVFSQC VTHCSFPQWWHQAFY
 NFFTFGCLFI IPLLIMLICNAKIIFALTRVLHQDPRSTVFLRSKNHCRQTEFKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC061250

ORF Size: 792 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: [BC061250.1](#)

RefSeq Size: 1500 bp

RefSeq ORF: 794 bp

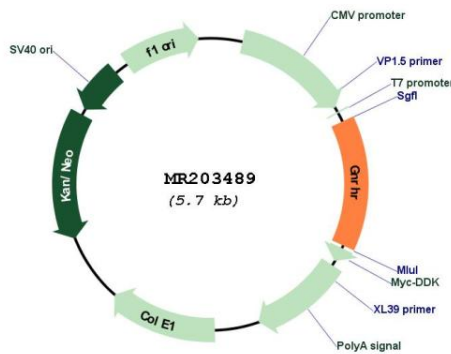
Locus ID: 14715

Cytogenetics: 5 43.56 cM

MW: 55 kDa

Gene Summary: Receptor for gonadotropin releasing hormone (GnRH) that mediates the action of GnRH to stimulate the secretion of the gonadotropic hormones luteinizing hormone (LH) and follicle-stimulating hormone (FSH). This receptor mediates its action by association with G-proteins that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203489