

Product datasheet for **MG203489**

Gnrhr (BC061250) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnrhr (BC061250) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gnrhr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203489 representing BC061250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAACAATGCATCTCTTGAGCAGGACCCAAATCACTGCTCGGCCATCAACAACAGCATCCCCTTGA
TACAGGGCAAGCTCCCGACTCTAACCGTATCTGGAAAGATCCGAGTGACCGTGACTTTCTCCTTTTCT
ACTCTCTACTGCCTTCAATGCTTCCTTCTGTTGAAGCTGCAGAAGTGGACTCAGAAGAGGAAGAAAGGA
AAAAAGCTCTCAAGGATGAAGGTGCTTTTAAAGCATTTGACCTTAGCCAACCTGCTGGAGACTCTGATCG
TCATGCCACTGGATGGGATGTGGAATATTACTGTTTCAGTGGTATGCTGGGGAGTTCTCTGCAAAGTTCT
CAGCTATCTGAAGCTCTTCTCTATGTATGCCCCAGCTTTTCATGATGGTGGTGATTAGCCTGGACCGCTCC
CTGGCCATCACTCAGCCCTTGCTGTACAAAGCAACAGCAAGCTTGAACAGTCTATGATCAGCCTGGCCT
GGATTCTCAGCATTGTCTTTGCAGGACCACAGTTATATATCTTCAGGATGATCTACCTAGCAGACGGCTC
TGGGCCACAGTCTTCTCGCAATGTGTGACCCACTGCAGCTTCCACAGTGGTGGCATCAGGCCCTCTAC
AACTTTTTACCTTCGGCTGCCTCTTCATCATCCCCCTCCTCATGCTAATCTGCAATGCCAAAATCA
TCTTTGCTCTCACGCGAGTCCTTCATCAAGACCCACGCAGTACGGTATTCCTTAGATCTAAGAATCACTG
TAGACAAACGGAATTTAAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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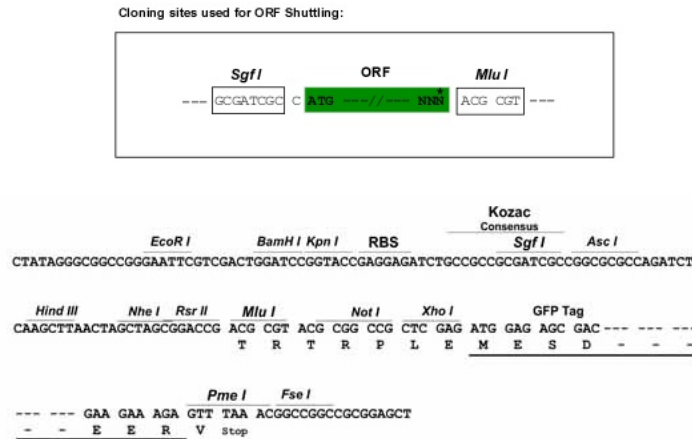
Protein Sequence: >MG203489 representing BC061250
 Red=Cloning site Green=Tags(s)

MANNASLEQDPNHCSAINNSIPLIQGKLP LTVSGKIRVTVTFFLFLSTAFNASFLLKLQKWTQKRKKG
 KKL SRMKVLLKHLTLANLLET L I V M P L D G M W N I T V Q W Y A G E F L C K V L S Y L K L F S M Y A P A F M M V V I S L D R S
 L A I T Q P L A V Q S N S K L E Q S M I S L A W I L S I V F A G P Q L Y I F R M I Y L A D G S G P T V F S Q C V T H C S F P Q W W H Q A F Y
 N F F T F G C L F I I P L L I M L I C N A K I I F A L T R V L H Q D P R S T V F L R S K N H C R Q T E F K Q

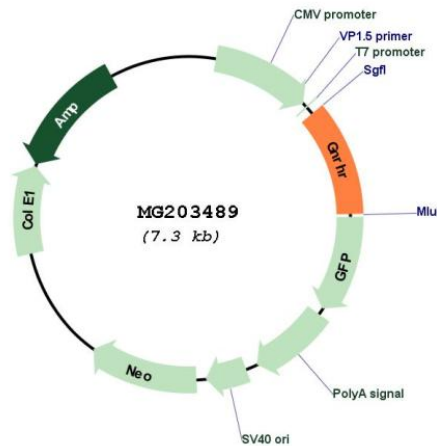
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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:	BC061250.1
RefSeq Size:	1500 bp
RefSeq ORF:	794 bp
Locus ID:	14715
Cytogenetics:	5 43.56 cM
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]