

## Product datasheet for **MG223784**

### Lhcgr (NM\_013582) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lhcgr (NM_013582) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lhcgr
Synonyms:	Gpcr19-rs1; LH-R; Lhr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

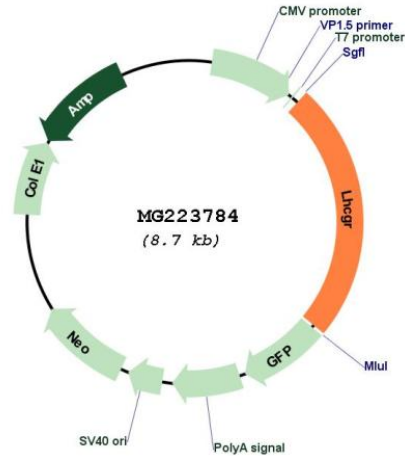
>MG223784 representing NM\_013582  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGGCGCGGGTCCC GGCTCTGAGACAGCTGCTGGTGTGGCAATGCTGGTGTGAAGCAGTCACAGC  
TGCACTCTCCAGAGTTGTCAGGGTCGCGCTGCCCTGAGCCCTGCGACTGCGCGCCGGATGGTGCCCTGCG  
CTGCCCTGGCCCTCGAGCTGGCCTCGCCCGACTATCTCTCACCTATCTCCCTGTCAAAGTAAATCCCATCA  
CAAGCTTTCAGGGGACTTAATGAGGTGCTAAAAATTGAAATCTCTCAGAGTGATTCCCTGGAAAGGATAG  
AAGCTAATGCCTTTGACAACTCCTCAATCTGTCTGAAATACTGATCCAGAACACCAAAACCTGCTATA  
CATTGAACCCGGTGCTTTTACAACTCCCTCGGTTAAAATACCTGAGCATCTGTAACACAGGCATCCGG  
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AAATGGGTTTGAAGAAGTACAAAGCCATGCATTCAATGGGACGACGCTAATCTCGCTGGAGTTAAAAGAA  
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GAGCTGACGGCTCCTAACAGGACACAAAATTTGCTAAGAAGATGGCCATCCTCATCTTACAGACTTCA  
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CTCAAAAGTTCTGCTGGTCTTTTTTATCCTGTCAATTCTTGTGCCAACCATTCTGTACGCAGTGTTT  
ACGAAGGCATTTTACAGAGATTTCTTTCTTGTGCTGAGCAGATTTGGTTGCTGTAAGCACCGGGTGAAC  
TTTACAGAAGGAAGGAATTTTCTGCATGTACCTTCAACTCCAAAACGGCTTTCCAAGATCAAGTAAGCC  
TTCCAGGCTGCCCTGAAGTTATCCATAGTGCAGTGTCAACAACCTACACCTCCAAGAGTGTAAATTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Plasmid Map:**


**ACCN:** NM\_013582

**ORF Size:** 2100 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\\_013582.3](#)

**RefSeq Size:** 2553 bp

RefSeq ORF:	2103 bp
Locus ID:	16867
UniProt ID:	<a href="#">P30730</a>
Cytogenetics:	17 58.35 cM
Gene Summary:	Receptor for lutropin-choriogonadotropic hormone. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]