

## Product datasheet for **MR223784**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lhcgr (NM_013582) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lhcgr
Synonyms:	Gpcr19-rs1; LH-R; Lhr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR223784 representing NM\_013582  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGCGCGGGTCCCGCTCTGAGACAGCTGCTGGTGTGGCAATGCTGGTGTGAAGCAGTCACAGC  
 TGCACTCTCCAGAGTTGTCAGGGTCGCGCTGCCCTGAGCCCTGCGACTGCGCGCCGGATGGTGCCCTGCG  
 CTGCCCTGGCCCTCGAGCTGGCCTCGCCCGACTATCTCTCACCTATCTCCCTGTCAAAGTAAATCCCATCA  
 CAAGCTTTCAGGGGACTTAATGAGGTCTGAAAAATTGAAATCTCTCAGAGTGATTCCCTGGAAAGGATAG  
 AAGCTAATGCCTTGGACAACCTCCTCAATCTGTCTGAAATACTGATCCAGAACACCAAAACCTGCTATA  
 CATTGAACCCGGTCTTTACAAACCTCCCTCGGTTAAAATACCTGAGCATCTGTAACACAGGCATCCGG  
 ACCCTCCAGATGTTTCGAAGATCTCTTCTCTGAATTTAATTTCTGTTGAAATCTGTGATAACTTAT  
 ACATAACCACCATACCAGGGAACGCTTTCGAAGGATGAATAATGAGTCCATCACGCTGAAACTGTATGG  
 AAATGGGTTTGAAGAAGTACAAAGCCATGCATTCAATGGGACGACGCTAATCTCGCTGGAGTTAAAAGAA  
 AACATCTACCTGGAGAAGATGCACAGTGGCACCTTCCAGGGGGCCACGGGGCCAGCATCCCTGGATGCT  
 CTTCACCAAATTCAGGCCCTGCCGAGCCACGGGCTGGAGTCCATTAGACGCTCATCGCCACGTCATC  
 CTACTCACTGAAAACCTGCCCCTCCAGAGAAAAATTCACCAGCCTACTGGTTGCCACGCTGACCTACCCT  
 AGCCACTGCTGTGCTTTCAGGAATTTGCCGAAGAAAGAACAGAATTTTTCATTTTCCATTTTAAAACT  
 TTTCCAAACAATGTGAAAGCACAGTTAGAGAAGCGAATAACGAGACGCTTATTCTGCCATCTTTGAGGA  
 GAATGAACTCAGTGGCTGGGATTACGATTATGACTTCTGTTACCCAAGACACTCCAATGTACTCCAGAA  
 CCAGATGCTTCAATCCCTGTGAAGATATTATGGGCTATGCCTTCCTTAGGGTGTGATTGGCTAATTA  
 ATATACTAGCCATCTTTGGCACTTGACAGTCTCTTTGTTCTCCTGACCAGTCGTTATAAACTGACGGT  
 GCCCGCTTCTCATGTGTAATCTCTCTTTGACGACTTTTGCATGGGGCTCTACCTGCTGCTCATTGCC  
 TCAGTAGACTCCCAAACAAAAGGCCAGTACTATAACCATGCCATAGACTGGCAGACAGGGAGTGGCTGCA  
 GTGCAGCTGGCTTCTTTACTGTGTTGCGCCAGTGAATTTCTGTCTATACCCTTACAGTCATCACTCTGGA  
 AAGGTGGCACACCATCACCTATGCTGTTGAGCTGGACAAAAGCTGAGGCTGAGACATGCCATCCCAATT  
 ATGCTCGGAGGATGGATTTTTTCTACCCTGATGGCCACATTGCCCTTGTGGGTGTCAGCAGTTACATGA  
 AAGTCAGCATCTGCCTCCCATGGATGTGAATCCACTCTGTACAAGTCTACATATTATCCATCTTGCT  
 CCTCAATGCAGTGGCCTTTGTCGTCTGTGCTTGTACGTTAGGATATACTTTGCAGTCAAATCCA  
 GAGCTGACGGCTCCTAACAGGACACAAAATTTGCTAAGAAGATGGCCATCCTCATCTTACAGACTTCA  
 CATGCATGGCACCATCTCATTCTTTGCCATCTCAGCTGGCTTCAAAGTACCCCTTATCACTGTACACAA  
 CTCAAAGTTCTGCTGGTCTTTTTTATCCTGTCAATTCTTGTGCCAACCCATTTCTGTACGCAGTGTTT  
 ACGAAGGCATTTTACAGAGATTTCTTTCTTGTGCTGAGCAGATTTGGTTGCTGTAAGCACCGGGTGAAC  
 TTTACAGAAGGAAGGAATTTTCTGCATGTACCTTCAACTCCAAAACGGCTTTCGAAGTCAAGTAAAGCC  
 TTCCAGGCTGCCCTGAAGTTATCCATAGTGCAGTGTCAACAACCTACACCTCCAAGAGTGTAAATTCAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223784 representing NM\_013582  
 Red=Cloning site Green=Tags(s)

MGRRVPALRQLLVLAMLVLKQSQLHSPELSGSRCPEPCDCAPDGalRCPGPRAGLARLSLTYLPVKVIPS  
 QAFRGLNEVVKIEISQSDSLERIEANAFDNLNLSEILIQNTKNLLYIEPGAFTNLPRLKYL SICNTGIR  
 TLPDVSKISSSEFNFILEICDNL YITTPGNAFQGMNNEITLKYGNGFEEVQSHAFNGTTLISLELKE  
 NIYLEKMHSGETFQGATGPSILDVSTKLQALPSHGLESIQTLIATSSYSLKTLPSREKFTSLLVATLTYP  
 SHCCAFRNLPKKEQNF SIFENFSKQCESTVREANNETLYSAIFEENELSGWDYDYDFCSPKTLQCTPE  
 PDAFNPCEDIMGYAFRLVLIWLINILAIFGNLTVLVLLTSRYKLTVPFRFLMCNLSFADFCMGLYLLLIA  
 SVDSQTKGQYYNHAIDWQTGSGCSAAGFFTVFASELSVYTLTVITLERWHTITYAVQLDQKLRHRHAIP  
 IMLGGWIFSTLMATLPLVGVSSYMKVSI CLPMDVESTLSQVYILSILLNNAVAFVVICACYVRIYFAVQNP  
 ELTAPNKDTKIAKKMAILIFTDFTCMAPISFFAISA AFKVPLITVNSKVLVLFYPVNSCANPFLYAVF  
 TKAFQRDFLLL SRFGCCKHRAEL YRRKEFSACTFNSKNGFPRSSKPSQAALKLSIVHCQQPTPPRVLIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9004\\_f05.zip](https://cdn.origene.com/chromatograms/mm9004_f05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013582

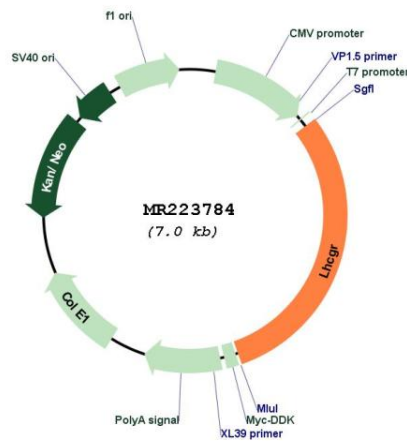
**ORF Size:** 2100 bp

**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:** [P30730](#)
- Cytogenetics:** 17 58.35 cM
- MW:** 78.7 kDa
- 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]

**Product images:**



Circular map for MR223784