

## Product datasheet for MR222123

### Ghr (NM\_001048147) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ghr (NM\_001048147) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ghr  
**Synonyms:** AA986417; GHBP; GHR/BP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR222123 representing NM\_001048147  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCTTTGTCAGGTCTTCTAACCTTGGCACTGGCAGTCACCAGCAGCACATTTCTGGAAGTGAGG  
CTACACCAGCTACTCTTGGCAAAGCTTCCCAGTTCTGCAAAGAATCAATCCAAGCCTGGGACAAGTTC  
TTCTGGAAGCCTCGATTACCAAGTGTGTTCCCTGAACTGGAGACATTTTCATGCTACTGGACAGAA  
GGAGATAATCCTGATTTAAAGACCCAGGATCTATTCAGCTGTACTATGCTAAAAGGGAAAAGCCAACGAC  
AAGCTGCAAGAATTGCTCATGAATGGACCCAGGAATGGAAGAATGCCCTGATTATGCTCTGCTGGAAA  
AAACAGCTGTTACTTCAACTCATATACCTCCATTTGGATACCTACTGCATCAAGCTAACTACAAAT  
GGTGAATTTGCTGGACCAAAAATGTTTCACTGTTGACGAAATAGTGCAACCTGATCCACCCATTGGCCTCA  
ACTGGACTTTACTAAACATTAGTTTGACCGGGATTCGTGGAGACATCCAAGTGAGTTGGCAACCACCACC  
CAATGCAGATGTTCTGAAGGGATGGATAATTCTGGAGTATGAAATTCAGTACAAAGAAGTAAATGAATCA  
AAATGGAAGTGATGGGCCCTATATGGTTAACATACTGTCCAGTGTACTCATTGAGAATGGATAAAGAAC  
ATGAAGTGCGGGTGAGATCCAGACAACGGAGCTTTGAAAAGTACAGCGAGTTCAGCGAAGTCCCTCCGTGT  
AATATTTCTCAGACGAACATATTGGAAGCATGTGAAGAAGGAACCAAGTCCAATTTCTCAGCACCCACAT  
CAAGAGATTGACAACCACCTGTATCACCAGCTTCAGAGGATCCGCCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222123 representing NM\_001048147  
Red=Cloning site Green=Tags(s)

MDLCQVFLTLALAVTSSTFSGSEATPATLGKASPVLQRINPSLGTSSSGKPRFTKCRSPELETFSYWTE  
 GDNPDLKTPGSIQLYYAKRESQRQAARIAHEWTQEWKECPDYVSAGKNSCYFNSSYTSIWIPYCIKLTN  
 GDLLDQKCFVDEIVQDPPIGLNWTLLNISLTGIRGDIQVSWQPPNADVLKGWIILEYEIQYKEVNES  
 KWKVMGPIWLTYPVYSLRMDKEHEVRRSRQRSFEKYSEFSEVLRVIFPQTNILEACEEGTKSNSQHPH  
 QEIDNHLHYQLQIRHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

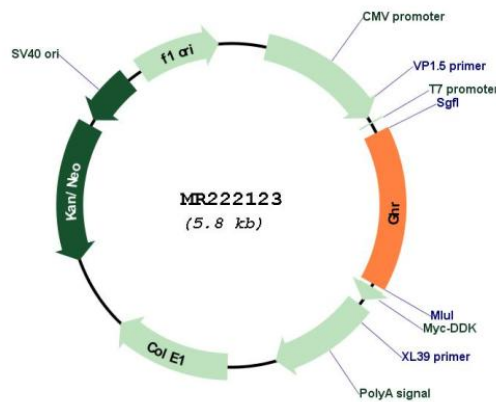
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001048147

**ORF Size:** 891 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001048147.1</a> , <a href="#">NP_001041612.1</a>
<b>RefSeq Size:</b>	1080 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	14600
<b>Cytogenetics:</b>	15 1.84 cM
<b>MW:</b>	39.6 kDa
<b>Gene Summary:</b>	Receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to, and activates the JAK2/STAT5 pathway (By similarity). [UniProtKB/Swiss-Prot Function]