

## Product datasheet for **RN215144**

### Ghr (NM\_017094) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ghr (NM_017094) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ghr
Synonyms:	GHR/BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215144 representing NM\_017094  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCTTTGGCGGTGTTCTTAACCCTGGCACTGGCAGTCTCCAGCGACATGTTTCCTGGAAGTGGG  
CTACACCAGCTACTCTTGGCAAAGCTTCCCGGTTCTGCAAAGAATTAATCCAAGCCTGAGGGAAAGTTC  
CTCTGAAAGCCTCGATTACCAAGTGTGCTTCCCTGAACTGGAGACCTTTTCATGCTACTGGACAGAA  
GGGGATGATCATAATTTAAAGTCCCAGGATCTATTACGCTATACTATGCTAGAAGAATTGCTCATGAAT  
GGACCCCGGAATGGAAAGAATGCCCTGATTATGTCTCTGCTGGAGCAAACAGCTGTACTTCAACTCATC  
GTATACCTCCATTTGGATACCCTACTGCATTAAGCTTACTACAAATGGTGATTTGTTGGACGAAAAGTGT  
TTCCTGTTGATGAAATAGTCAACCTGATCCGCCATTGGCCTCACTGGACTTACTAAACATCAGTT  
TGCTGGGATCCGTGGAGATATCCAAGTGAAGTGGCAGCCACCGCCAGTCCGATGTTCTGAAGGGATG  
GATAATTCGGAGTATGAAATTCAGTACAAAGAAGTAAATGAAACAAAATGGAAAACGATGAGCCCGATA  
TGGTCAACATCAGTCCCCTGACTCACTGAGACTGGATAAAGAGCACGAAGTCCGTGTGAGATCCAGAC  
AACGGAGCTTCGAAAAGTACAGCGAGTTCAAGTGAAGTACTCCGTGTAACGTTTCCTCAGATGGACACACT  
GGCAGCATGTGAAGAAGATTTCCGGTTCCATGGTTCTTAATTATTATCTTTGGAATATTTGGAGTAGCA  
GTGATGCTATTTGTAGTTATATTTCAAAGCAGCAAAGGATTAAGATGCTGATTTTACCCCAAGTACCAG  
TTCCAAAGATTAAGGGATTGATCCAGATCTTCTCAAGGAAGGAAAATGGAGGAGGTGAACACCATCTT  
GGGCATTCATGATAACTACAAACCCGACTTCTACAATGATGACTCCTGGGTTGAGTTCATTGAGCTGGAT  
ATTGATGATGCGGATGAGAAGACTGAAGAGTCAAGACCCGACAGACTTCTAAGCGATGACCAGGAGAAAT  
CAGCTGGTATCCTTGGAGCAAAGGATGACGATTCTGGACGTACCAGCTGTTATGACCCTGACATTTTGG  
TACCGATTTCCACACCAGTGACATGTGCGATGGTACCTCGGAGTTGCTCAGCCGAGAAGTTAAAAGCA  
GAAGCTGATCTCTTGTGCCTTGACCAGAAGAATCTGAAGAAGTCCGCTTATGATGCTTCCCTGGCTCTC  
TGCACCCCTCCATTACCCTGACAATGGAAGACAAACCACAGCCACTTCTGGGCAGTGAAGTGAAGTCAAC  
CCACCAACTCCCCTCTACACCAATGAGCAGTCCCGTGTCACTGGCAAACATTGACTTTTTATGCCCAAGTA  
AGCGACATTACACCAGCAGGTGGTGTAGTCCTTCTCCAGGCCAAAAGATTAAGGCAGGGTTAGCCCAAG  
GCAACACCCAGCTGGAGGTGGCCGCGCCTGCCAAGAAAATTACAGCATGAACAGTGCCTACTTCTGTGA  
GTCAGATGCCAAAAGTGCATCGCTGCGGCCCTCACATGGAGGCCACGACATGTGTAACCAAGCTTT  
AACCAAGAGGACATTTACATACCACAGAAAGCCTTACCCTACTGCCCGAATGTCGAGACAGCAGATA  
CCGCTCCAGATGCTGAGCCTGTCCAGACTACACCACGGTTCACACCGTGAAGTCCCAAGGGGCCCTTAT  
ACTCAACGCGACTGCTTTGCCTTTGCTGACAAAAGAAGTTTCTCTCCTCATGTGGCTATGTGAGCACA  
GACCAACTGAACAAAATCATGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja3705\\_a11.zip](https://cdn.origene.com/chromatograms/ja3705_a11.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_017094

Insert Size: 1917 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_017094.1](#), [NP\\_058790.1](#)

**RefSeq Size:** 2950 bp

**RefSeq ORF:** 1917 bp

**Locus ID:** 25235

**UniProt ID:** [P16310](#)

**Cytogenetics:** 2q16

**Gene Summary:** may play a role in chondrocyte differentiation and positive regulation of longitudinal bone growth and [RGD, Feb 2006]