

Product datasheet for **MR229094**

Ghr (NM_001048178) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ghr (NM_001048178) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ghr
Synonyms: GHBP; GHR/BP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229094 representing NM_001048178
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCTTTGTCAGGTCTTCTAACCTTGGCACTGGCAGTCACCAGCAGCACATTTCTGGAAGTGAGG
CTACACCAGCTACTCTTGGCAAAGCTTCCCAGTTCTGCAAAGAATCAATCCAAGCCTGGGACAAGTTC
TTCTGGAAAGCCTCGATTACCAAGTGTGTTCCCTGAACTGGAGACATTTTCATGCTACTGGACAGAA
GGAGATAATCCTGATTTAAAGACCCAGGATCTATTCAGCTGTACTATGCTAAAAGGGAAAAGCCAACGAC
AAGCTGCAAGAATTGCTCATGAATGGACCCAGGAATGGAAGAATGCCCTGATTATGCTCTGCTGGAAA
AAACAGCTGTTACTTCAACTCATATACCTCCATTTGGATACCTACTGCATCAAGCTAACTACAAAT
GGTGATTTGCTGGACCAAAAATGTTTCACTGTTGACGAAATAGTGCAACCTGATCCACCCATTGGCCTCA
ACTGGACTTTACTAAACATTAGTTTGACCGGGATTCGTGGAGACATCCAAGTGAGTTGGCAACCACCACC
CAATGCAGATGTTCTGAAGGGATGGATAATTCTGGAGTATGAAATTCAGTACAAAGAAGTAAATGAATCA
AAATGGAAGTGATGGGCCCTATATGGTTAACATACTGTCCAGTGTACTCATTGAGAATGGATAAAGAAC
ATGAAGTGCGGGTGAGATCCAGACAACGGAGCTTTGAAAAGTACAGCGAGTTCAGCGAAGTCCCTCCGTGT
AATATTTCTCAGACGAACATATTGGAAGCATGTGAAGAAGGAACCAAGTCCAATTTCTCAGCACCCACAT
CAAGAGATTGACAACCACCTGTATCACCAGCTTCAGAGGATCCGCCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR229094 representing NM_001048178
 Red=Cloning site Green=Tags(s)

MDLCQVFLTLALAVTSSTFSGSEATPATLGKASPVLQRINPSLGTSSSGKPRFTKCRSPELETFSYWTE
 GDNPDLKTPGSIQLYYAKRESQRQAARIAHEWTQEWKECPDYVSAGKNSCYFNSSYTSIWIPYCIKLTN
 GDLLDQKCFVTVEIVQPDPIGLNWTLLNISLTGIRGDIQVSWQPPNADVLKGWIILEYEIQYKEVNES
 KWKVMGPIWLTYPVYSLRMDKEHEVVRVRSRQRSFEKYSEFSEVLRVIFPQTNILEACEEGTKSNSQHPH
 QEIDNHLHYQLQRIRHP

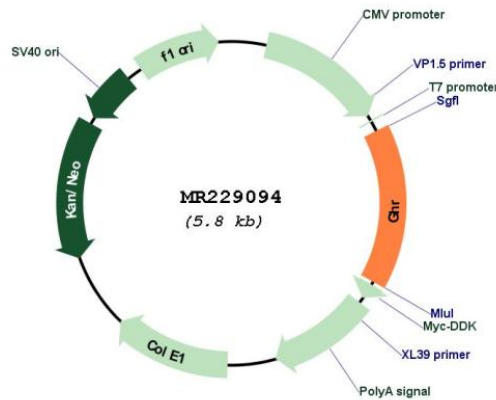
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001048178

ORF Size: 891 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:	NM_001048178.2 , NP_001041643.1
RefSeq Size:	1335 bp
RefSeq ORF:	894 bp
Locus ID:	14600
UniProt ID:	P16882
Cytogenetics:	15 1.84 cM
MW:	34.6 kDa
Gene Summary:	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]