

Product datasheet for **MR230788**

Ghr (NM_001286370) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghr (NM_001286370) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ghr
Synonyms:	GHBP; GHR/BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230788 representing NM_001286370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTTTGTCAGGTCTTCTTAACCTTGGCACTGGCAGTCACCAGCAGCACATTTTCTGGAAGTGAGG
 CTACACCAGTACTCTTGGCAAAGCTTCCCAGTTCTGCAAAGAATCAATCCAAGCCTGGGACAAAGTTT
 TTCTGGGAAGCCTCGATTACCAAGTGTGCTTCCCTGAACTGGAGACATTTTTCATGCTACTGGACAGAA
 GGAGATAATCCTGATTTAAAGACCCAGGATCTATTACAGTGTACTATGCTAAAAGGGAAAGCCAACGAC
 AAGCTGCAAGAATTGCTCATGAATGGACCCAGGAATGGAAGAATGCCCTGATTATGCTCTGCTGGAAA
 AAACAGCTGTTACTTCAACTCATCATATACCTCCATTTGGATACCTACTGCATCAAGCTAACTACAAT
 GGTGATTTGCTGGACAAAAATGTTTCACTGTTGACGAAATAGTGCAACCTGATCCACCCATTGGCCTCA
 ACTGGACTTTACTAAACATTAGTTTGACCGGGATTCGTGGAGACATCCAAGTGAGTTGGCAACCACCACC
 CAATGCAGATGTTCTGAAGGGATGGATAATTCTGGAGTATGAAATTCAGTACAAAGAAGTAAATGAATCA
 AAATGGAAAGTATGGGCCCTATATGGTTAACATACTGTCCAGTGTACTATTGAGAATGGATAAAGAAC
 ATGAAGTGCAGGATCCAGACAACGGAGCTTTGAAAAGTACAGCGAGTTCAGCGAAGTCCCTCCGTGT
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 TGCTGATTTTACCCAGTCCCAGTTCCAAAGATTAAGGGATTGATCCAGATCTTCTCAAGGAAGGGAA
 GTTGGAGGAGGTGAACACCATCTTAGGCATTATGATAACTACAAACCCGACTTCTACAATGATGATTCC
 TGGGTCGAGTTCATTGAGCTAGATATTGATGAAGCAGATGTGGATGAGAAGACTGAAGGGTCTGACACAG
 ACAGACTTCTAAGCAATGATCATGAGAAATCAGCTGGTATCCTTGGAGCAAAGGATGATGATTCTGGGCG
 TACCAGCTGTTACGACCCTGACATTTTGGATACTGATTTCCATACCAGTGACATGTGTGATGGTACCTTG
 AAGTTTGCTCAGTCACAGAAGTTAAATATGGAAGCTGATCTTGTGCCTTGATCAGAAGAATCTGAAGA
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 ACAGCCACTTTTGGAGCAGCGAAACTGAGGCAACCCACCAACTCGCCTCTACACCGATGAGTAATCCACACA
 TCACTGGCAAACATTGACTTTTATGCCCAAGTAAGCGACATTACACCAGCAGGTGGTGTAGTCTTTCCC
 CAGGCCAAAAGATTAAGGCAGGGATAGCCCAAGGCAATACCCAGCGGGAGGTGGCCACGCCCTGCCAAGA
 AAATTACAGCATGAACAGTGCCTACTTTTGTGAGTCAGATGCCAAAAATGCATCGCTGTGGCCCTCGC
 ATGGAAGCCACGTCTTGTATAAAACCAAGCTTTAACCAAGAGGACATTTACATCACCACAGAAAGCCTTA
 CCACTACTGCCAGATGTCTGAGACAGCAGATATTGCTCCAGATGCTGAGATGTCTGTCCAGACTACAC
 CACGGTTCACACCGTGCAGTCTCCAAGGGCCTTATACTCAACGCAACTGCTTTGCCTTTGCCTGACAAA
 AAGAATTTCCCTCCTCGTGTGTTATGTGAGCACAGACCAACTGAACAAAATCATGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230788 representing NM_001286370
Red=Cloning site Green=Tags(s)

MDLCQVFLTLALAVTSSTFSGSEATPATLGKASPVLQRINPSLGTSSSGKPRFTKCRSPELETFCYWTE
 GDNPDLKTPGSIQLYYAKRESQRQAARIAHEWTQEWEKCPDYVSAGKNSCYFNSSYTSIWIPYCIKLTN
 GDLLDQKCFVDEIVQDPPIGLNWTLLNISLTGIRGDIQVSWQPPNADVLKGIWILEYEIQYKEVNES
 KWKVMGPIWLTYCPVYSLRMDKEHEVRVRSRQSFKEYSEFSEVLRVIFPQTNILEACEEDIQFPWFLII
 IFGIFGVAVMLFVVFISKQQRKIKMLILPPVPVKIKGIDPDLLKEGKLEEVNTILGIHDNYKPDFYNDSS
 WVEFIELDIDEADVDEKTEGSDTRLLSNDHEKSAGILGAKDDDSGRTSYDPDILDTFHTSDMCDGTL
 KFAQSQKLNMEADLLCLDQKNLKNLPYDASLGLSHPISITQVTEENKQPQLLSSETEATHQLASTPMSNPT
 SLANIDFYAQVSDITPAGGVVLSPGQKIKAGIAQGNTQREVATPCQENYSMNSAYFCESDAKKCIAVAPR
 MEATSCIKPSFNQEDIYITTESLTTTAQMSETADIAPDAEMSVDPDYTTVHTVQSPRGLILNATALPLPK
 KNFPSSCGYVSTDQLNKIMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001286370

ORF Size: 1950 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_001286370.1](#), [NP_001273299.1](#)

RefSeq Size: 4003 bp

RefSeq ORF: 1953 bp

Locus ID: 14600

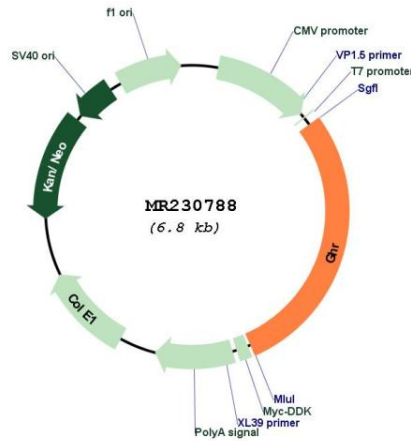
UniProt ID: [P16882](#)

Cytogenetics: 15 1.84 cM

MW: 72.6 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]

Product images:



Circular map for MR230788