

Product datasheet for **MC228577**

Ghr (NM_001286370) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghr (NM_001286370) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228577 representing NM_001286370
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTTTGTCAGGTCTTCTTAACCTTGGCACTGGCAGTCACCAGCAGCACATTTTCTGGAAGTGAGG
 CTACACCAGTACTCTTGGCAAAGCTTCCCCAGTTCTGCAAAGAATCAATCCAAGCCTGGGGACAAGTTC
 TTCTGAAAGCCTCGATTACCAAGTGTCTGCCCTGAACTGGAGACATTTTTCATGCTACTGGACAGAA
 GGAGATAATCCTGATTTAAAGACCCAGGATCTATTAGCTGTACTATGCTAAAAGGGAAAGCCAACGAC
 AAGCTGCAAGAATTGCTCATGAATGGACCCAGGAATGAAAGAATGCCCTGATTATGCTCTGCTGGAAA
 AAACAGCTGTTACTTCAACTCATCATATACCTCCATTTGGATACCTACTGCATCAAGCTAACTACAAT
 GGTGATTTGCTGGACAAAAATGTTTCACTGTTGACGAAATAGTGAACCTGATCCACCCATTGGCCTCA
 ACTGGACTTTACTAAACATTAGTTTGACCGGGATTCGTGGAGACATCCAAGTGAGTTGGCAACCACCACC
 CAATGCAGATGTTCTGAAGGGATGGATAATTCTGGAGTATGAAATTCAGTACAAAGAAGTAAATGAATCA
 AAATGAAAGTGTATGGGCCCTATATGGTTAACATACTGTCCAGTGTACTATTGAGAATGGATAAAGAAC
 ATGAAGTGCGGGTGAGATCCAGACAACGGAGCTTTGAAAAGTACAGCGAGTTCAGCGAAGTCCCTCCGTG
 AATATTTCCCTCAGACGAACATATTGGAAGCATGTGAAGAAGATATCCAGTTTCCATGGTTCTTAATTATT
 ATCTTTGGAAATTTGGAGTAGCAGTGATGCTATTTGTAGTTATATTTTCAAAGCAGCAAAGGATTAAGA
 TGCTGATTTTACCCAGTCCCAGTTCCAAAGATTAAGGGATTGATCCAGATCTTCTCAAGGAAGGGAA
 GTTGGAGGAGGTGAACACCATCTTAGGCATTATGATAACTACAAACCCGACTTCTACAATGATGATTCC
 TGGGTCGAGTTCATTGAGCTAGATATTGATGAAGCAGATGTGGATGAGAAGACTGAAGGGTCTGACACAG
 ACAGACTTCTAAGCAATGATCATGAGAAATCAGCTGGTATCCTTGGAGCAAAGGATGATGATTCTGGGCG
 TACCAGCTGTTACGACCCTGACATTTTGGATACTGATTTCCATACCAGTGACATGTGTGATGGTACCTTG
 AAGTTTGCTCAGTCACAGAAGTTAAATATGGAAGCTGATCTCTTGTGCCTTGATCAGAAGAATCTGAAGA
 ACTTGCCTTATGATGCTTCCCTGGCTCTCTGCATCCCTCCATTACCCAGACAGTAGAAGAAAACAAGCC
 ACAGCCACTTTTGGAGCAGGAACTGAGGCAACCCACCAACTCGCCTCTACACCGATGAGTAATCCACACA
 TCACTGGCAAACATTGACTTTTATGCCCAAGTAAGCGACATTACACCAGCAGGTGGTGTAGTCTTTCCC
 CAGGCCAAAAGATTAAGGCAGGGATAGCCCAAGGCAATACCCAGCGGGAGGTGGCCACGCCCTGCCAAGA
 AAATTACAGCATGAACAGTGCCTACTTTTGTGAGTCAGATGCCAAAAATGCATCGCTGTGGCCCTCGC
 ATGGAAGCCACGTCTTGTATAAAACCAAGCTTTAACCAAGAGGACATTTACATCACCACAGAAAGCCTTA
 CCACTACTGCCAGATGTCTGAGACAGCAGATATTGCTCCAGATGCTGAGATGTCTGTCCCAGACTACAC
 CACGGTTCACACCGTGCAGTCTCCAAGGGCCTATACTCAACGCAACTGCTTTGCCTTTGCCTGACAAA
 AAGAATTTTCCCTCCTCGTGTGGTTATGTGAGCACAGACCAACTGAACAAAATCATGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286370

Insert Size: 1953 bp

OTI Disclaimer: 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001286370.1</u> , <u>NP_001273299.1</u>
RefSeq Size:	4003 bp
RefSeq ORF:	1953 bp
Locus ID:	14600
UniProt ID:	<u>P16882</u>
Cytogenetics:	15 1.84 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Both variants 1 and 4 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>