

## Product datasheet for MR226073

### Ghsr (NM\_177330) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ghsr (NM\_177330) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ghsr  
**Synonyms:** C530020I22Rik; Ghsr1a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226073 representing NM\_177330  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGAACGCGACGCCAGCGAGGAGCCGAGCCTAACGTACGCTGGACCTGGACTGGGACGCTTCTC  
 CCGGCAACGACTCACTCTCTGACGAACTGCTGCCACTGTTCCCGCGCCGCTGCTGGCGGGCGTCACTGC  
 CACCTGCGTGGCGCTCTTCGTGGTGGGCATCTCGGGCAACCTGCTCACCATGCTGGTGGTGTCCCGCTTC  
 CGCGAGCTGCGCACCACCAACCTCTACCTATCCAGCATGGCCTTCTCCGATCTGCTCATCTTCTGT  
 GCATGCCGCTGGACCTCGTCCGCTCTGGCAGTATCGGCCCTGGAACCTTCGGCGACCTGCTTGCAAACT  
 TTCCAGTTTGTACGAGAGCTGCACCTACGCCACGGTCTCACCATCACCGCGCTGAGCGTCGAGCGC  
 TACTTCGCCATCTGCTTCCCGCTGCGGGCCAAGGTGGTGGTACCAAGGGCCGCTGTAAGCTGGTATCC  
 TTGTCAATTTGGCCGTGGCCTTCTGACGCGCGGGCCCATCTTCGTGCTGGTGGGCGTGGAGCACGAGAA  
 CGGCACAGATCCCGGGACCAACGAGTGCCGCGCCACCGAGTTCGCTGTGCGCTCTGGGCTGCTCACC  
 GTGATGGTATGGGTGTCGAGCGTCTTCTTCTTCCGCGTCTTCTGCCTCACTGTGCTCTACAGTCTCA  
 TCGGGAGGAAGCTGTGGCGGAGGCGCGGCGACGCGCGGTGGGCTCCTCGCTCAGGACCAAGCAACAA  
 ACAGACAGTGAAGATGCTTGTGTGGTGGTGTTCGCTTTCATCCTCTGCTGGCTGCCCTTCCACGTGGGA  
 AGATATCTGTTTTCAAGTCTTTCGAGCCTGGCTCTCTGGAGATCGCGCAGATCAGTCACTGCAACC  
 TGGTGTCTTGTCTCTTCTACCTCAGCGCTGCCATCAACCCATTCTCTACAACATCATGTCCAAGAA  
 GTACCGGGTGGCGTGTCAAACCTTAGGATTTGAATCCTTCTCCAGAGAAAGCTTCCACTCTGAAG  
 GATGAGAGTTCGCGGCTGGACAAAGTCGAGCATCAATACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**ACCN:** NM\_177330

**ORF Size:** 1092 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\\_177330.4](#), [NP\\_796304.1](#)
**RefSeq Size:** 4433 bp

**RefSeq ORF:** 1095 bp

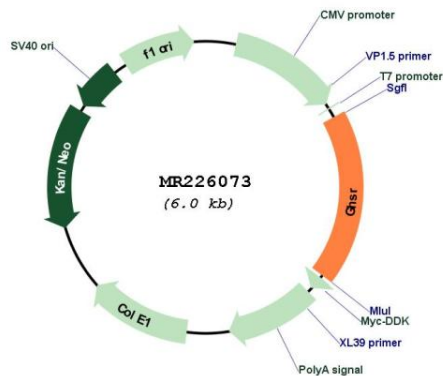
**Locus ID:** 208188

**UniProt ID:** [Q99P50](#)
**Cytogenetics:** 3 A3

MW: 41.4 kDa

Gene Summary: Receptor for ghrelin, coupled to G-alpha-11 proteins. Stimulates growth hormone secretion. Binds also other growth hormone releasing peptides (GHRP) (e.g. Met-enkephalin and GHRP-6) as well as non-peptide, low molecular weight secretagogues (e.g. L-692,429, MK-0677, adenosine) (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR226073