

Product datasheet for **MG226073**

Ghsr (NM_177330) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ghsr (NM_177330) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Ghsr |
| Synonyms: | C530020I22Rik; Ghsr1a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG226073 representing NM_177330 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAACGCGACGCCAGCGAGGAGCCGAGCCTAACGTACGCTGGACCTGGACTGGGACGCTTCTC
CCGGCAACGACTCACTCTGACGAACTGCTGCCACTGTTCCCGCGCCGCTGCTGGCGGGCGTCACTGC
CACCTGCGTGGCGCTCTCGTGGTGGGCATCTCGGGCAACCTGCTCACCATGCTGGTGGTGTCCCGCTT
CGCGAGCTGCGCACCACCAACCTCTACCTATCCAGCATGGCCTTCTCCGATCTGCTCATCTTCTGT
GCATGCCGCTGGACCTCGTCCGCTCTGGCAGTATCGGCCCTGGAACCTTCGGCGACCTGCTTGAAACT
CTTCCAGTTTGTACGAGAGCTGCACCTACGCCACGGTCTCACCATCACCGCGCTGAGCGTCGAGCGC
TACTTCGCCATCTGCTTCCCGCTGCGGGCCAAGGTGGTGGTACCAAGGGCCGTGTGAAGCTGGTATCC
TTGTCAATTTGGCCGTGGCCTTCTGACGCGCGGGCCCATCTTCGTGCTGGTGGGCGTGGAGCACGAGAA
CGGCACAGATCCCGGGACCAACGAGTGCCGCGCCACCGAGTTCGCTGTGCGCTCTGGGCTGCTCACC
GTGATGGTATGGGTGTCGAGCGTCTTCTTCTTCTGCGGTCTTCTGCCTCACTGTGCTCTACAGTCTCA
TCGGGAGGAAGCTGTGGCGGAGCGCGGCGACGCGCGGTGGGCTCCTCGCTCAGGGACCAGAACCACAA
ACAGACAGTGAAGATGCTTGTGTGGTGGTGTGTTGCTTTCATCCTCTGCTGGCTGCCCTTCCACGTGGGA
AGATATCTGTTTTCCAAGTCTTTTCGAGCCTGGCTCTCTGGAGATCGCGCAGATCAGTCACTGCAACC
TGGTGTCTTTGCTCTTCTACCTCAGCGCTGCCATCAACCCATTCTCTACAACATCATGTCCAAGAA
GTACCGGGTGGCGTGTCAAACCTTAGGATTTGAATCCTTCTCCAGAGAAAGCTTCCACTCTGAAG
GATGAGAGTTCGCGGCTGGACAAAGTCGAGCATCAATACA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226073 representing NM_177330
 Red=Cloning site Green=Tags(s)

MWNATPSEEPEPNVTLDLWDWASPNDLSDELLPLFPAPLLAGVTATCVALFVVGISGNLLTMLVVSFR
 RELRTTTLNLYLSSMAFSDLLIFLCMPDLVRLWQYRPWNFGDLLCKLFQFVSECTYATVLTITALSVER
 YFAICFPLRAKVVVTKGRVKLVILVIWAVAFCSAGPIFVLVGVHENGTDPRDTNECRATEFAVRSGLLT
 VMVWVSSVFFFLPVFCLTVLYSLIGRKLWRRRGDAAVGSSLRDQNHKQTVKMLAVVVFATILCWLPHVVG
 RYLFKSKFEPGSLEIAQISQYCNLVSVFLFYLSAAINPILYNIMSKKYRVAVFKLLGFESFSQRKSLTLK
 DESSRAWTKSSINT

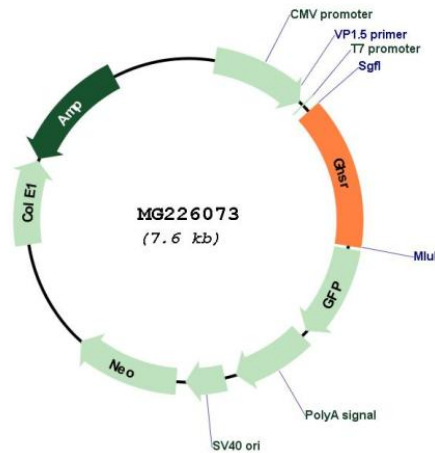
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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: | <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_177330.4 , NP_796304.1 |
| RefSeq Size: | 4433 bp |
| RefSeq ORF: | 1095 bp |
| Locus ID: | 208188 |
| UniProt ID: | Q99P50 |
| Cytogenetics: | 3 A3 |
| 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] |