

Product datasheet for **SC125689**

Ghrelin Receptor (GHSR) (BC069068) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ghrelin Receptor (GHSR) (BC069068) Human Untagged Clone
Tag: Tag Free
Symbol: GHSR
Synonyms: ghrelin receptor; growth hormone secretagogue receptor
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC069068 edited

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ATGTGGAACGCGACGCCAGCGAAGAGCCGGGTTCAACCTCACACTGGCCGACCTGGAC
TGGGATGCTTCCCCCGCAACGACTCGCTGGGCGACGAGCTGCTGCAGCTTCCCCCGG
CCGCTGCTGGCGGGCGTCACAGCCACCTGCGTGGCACTTTCGTGGTGGGTATCGCTGGC
AACCTGCTACCATGCTGGTGGTGTGCGCTTCCGCGAGCTGCGCACCACCACCAACCTC
TACCTGTCCAGCATGGCCTTCTCCGATCTGCTCATCTTCTCTGCATGCCCTGGACCTC
GTTGCGCTCTGGCAGTACCGGCCCTGGAACCTCGGCGACCTCCTTGCAAACCTTCCAA
TTCGTGAGTGGAGCTGCACCTACGCCACGGTGTCTACCATCACAGCGCTGAGCGTCGAG
CGCTACTTCGCCATCTGCTTCCCACTCCGGGCCAAGGTGGTGGTCACCAAGGGGGGAGTG
AAGCTGGTCATCTTCGTATCTGGGCCGTGGCCTTCTGCAGCGCCGGGCCATCTTCGTG
CTAGTCGGGGTGGAGCACGAGAACGGCACCCGACCTTGGGACACCAACGAGTGCCGCCCC
ACCGAGTTTGGGTGCGCTCTGGACTGCTCACGGTCATGGTGTGGGTGTCCAGCATCTTC
TTCTTCTTCTGCTTCTGTCTCACGGTCTCTACAGTCTCATCGGCAGGAAGCTGTGG
CGGAGGAGGCGCGCGATGCTGTCTGGTGCCTCGCTCAGGGACCAGAACCAAGCAA
ACCGTAAAAATGCTGGTGGTCTCAGCGCGCTCAGGCTTTCTCTCGCGGGTCTCTATC
CTCTCCCTGTGCTTCTCCCTTCTCTGAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC069068 unedited GTCAAAATTGTATACGACTCATATAGGCGGCCAGTGTGATGGTAATCTGCACAATTC GCCCTTATGTGGAACGCGACGCCAGCGAAGAGCCGGGTTCAACCTCACACTGGCCGAC CTGGACTGGGATGCTTCCCCGGCAACGACTCGCTGGGCGACGAGCTGCTGCAGCTTTC CCCGCGCCGCTGCTGGCGGGCGTACAGCCACCTGCGTGGCACTTTCGTGGTGGTATC GCTGGCAACCTGCTCACCATGCTGGTGGTGTGCGGCTTCCGCGAGCTGCGCACCACC AACCTCTACCTGTCCAGCATGGCCTTCTCCGATCTGCTCATCTTCTCTGCATGCCCTG GACCTCGTTCGCTCTGGCAGTACCGGCCCTGGAACCTTCTGCGACCTCCTCTGAAACTC TTCCAATTCGTCAGTGAGAGCTGCACCTACGCCACGGTGTCTCACCATCACAGCGTGAGC GTCGAGCGCTACTTCGCCATCTGCTTCCCACTCCGGGCCAAGGTGGTGGTACCAAGGGG CGGGTGAAGCTGGTTCATCTTCGTCATCTGGGCGTGGCCTTCTGCAGCGCCGGGCCATC TTCGTGCTAGTCGGGTGGAGCACGAGAACGGCACCGACCCTGGGACACCAACGAGTGC CGCCCCACCGAGTTTGGGTGCGCTCTGGACTGCTCACGGTCATGGTGTGGGTGCCAGC ATCTTCTTCTTCTTCTGTCTTCTGTCTCACGGTCTCTACAGTCTCATCCACATGAAG CTGCTGCTGACGAGGCGCGGCNATGCTCTCGTGGGTGCCTCGCTCATGGACCACACCACA GCAAACCGTGAATGCTGGGTGCGTCTCAACACGCGCTCATGCTTCTCTGCGCGGATCT ATCCTGTACCTGTGCCTTCTCCCTTCTCTTGAAGGGGCGAATCCAGCACACTGGCGGA CGTTACTAGTGGATCCGAC
Restriction Sites:	Please inquire
ACCN:	BC069068
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).
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:	BC069068.1 , AAH69068.1
RefSeq Size:	871 bp
Locus ID:	2693
Cytogenetics:	3q26.31
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction

Gene Summary:

This gene encodes a member of the G-protein coupled receptor family. The encoded protein may play a role in energy homeostasis and regulation of body weight. Two identified transcript variants are expressed in several tissues and are evolutionary conserved in fish and swine. One transcript, 1a, excises an intron and encodes the functional protein; this protein is the receptor for the Ghrelin ligand and defines a neuroendocrine pathway for growth hormone release. The second transcript (1b) retains the intron and does not function as a receptor for Ghrelin; however, it may function to attenuate activity of isoform 1a. Mutations in this gene are associated with autosomal idiopathic short stature.[provided by RefSeq, Apr 2010]