OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC229537

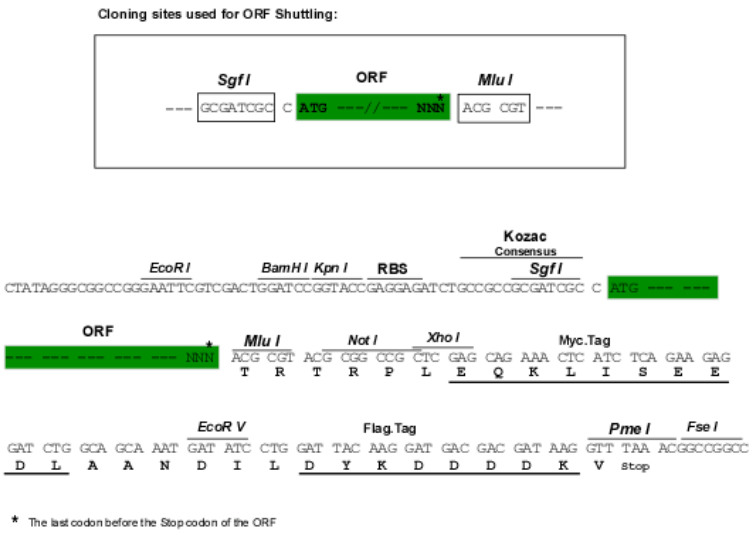
GHRH (NM_001184731) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GHRH (NM_001184731) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GHRH
Synonyms:	GHRF; GRF; INN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229537 representing NM_001184731 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCACTCTGGGTGTTCTTCTTTGTGATCCTCACCCTCAGCAACAGCTCCCACTGCTCCCCACCTCCCC CTTTGACCCTCAGGATGCGGCGGTATGCAGATGCCATCTTCACCAACAGCTACCGGAAGGTGCTGGGCCA GCTGTCCGCCCGCAAGCTGCTCCAGGACATCATGAGCAGGCAGCAGGGAGAGAGCAACCAAGAGCGAGGA GCAAGGGCACGGCTTGGTCGTCAGGTAGACAGCATGTGGGCAGAACAAAAGCAAATGGAATTGGAGAGCA TCCTGGTGGCCCTGCTGCAGAAGCACAGGAACTCCCAGGGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC229537 representing NM_001184731 Red=Cloning site Green=Tags(s) MPLWVFFFVILTLSNSSHCSPPPPLTLRMRRYADAIFTNSYRKVLGQLSARKLLQDIMSRQQGESNQERG ARARLGRQVDSMWAEQKQMELESILVALLQKHRNSQG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

View online »

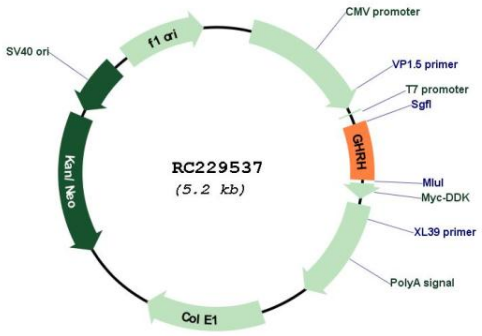
Cloning Scheme:



ACCN:	NM_001184731
ORF Size:	321 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001184731.2
RefSeq ORF:	324 bp

Locus ID:	2691
UniProt ID:	P01286
Cytogenetics:	20q11.23
Protein Families:	Druggable Genome, Secreted Protein
MW:	12.8 kDa
Gene Summary:	This gene encodes a member of the glucagon family of proteins. The encoded preproprotein is produced in the hypothalamus and cleaved to generate the mature factor, known as somatoliberin, which acts to stimulate growth hormone release from the pituitary gland. Variant receptors for somatoliberin have been found in several types of tumors, and antagonists of these receptors can inhibit the growth of the tumors. Defects in this gene are a cause of dwarfism, while hypersecretion of the encoded protein is a cause of gigantism. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RC229537