

Product datasheet for RC216358L4

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OriGene Technologies, Inc.

GHRH (NM_021081) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GHRH (NM_021081) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GHRH

Synonyms: GHRF; GRF; INN

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC216358).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_021081

ORF Size: 324 bp





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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.

Druggable Genome, Secreted Protein

RefSeq: <u>NM 021081.3</u>

 RefSeq Size:
 454 bp

 RefSeq ORF:
 327 bp

 Locus ID:
 2691

 UniProt ID:
 P01286

Cytogenetics: 20q11.23

MW: 10.1 kDa

Protein Families:

Gene Summary: This gene encodes a member of the glucagon family of proteins. The encoded preproprotein

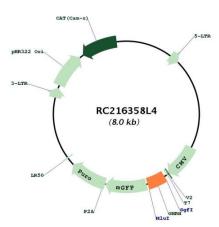
is produced in the hypothalamus and cleaved to generate the mature factor, known as somatoliberin, which acts to stimulate growth hormone release from the pituitary gland. Variant receptors for somatoliberin have been found in several types of tumors, and

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 RC216358L4