

## Product datasheet for **RC203146L2V**

### **hCG (CGA) (NM\_000735) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	hCG (CGA) (NM_000735) Human Tagged ORF Clone Lentiviral Particle
Symbol:	hCG
Synonyms:	CG-ALPHA; FSHA; GPA1; GPHa; GPHA1; HCG; LHA; TSHA
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000735
ORF Size:	348 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203146).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000735.2</a>
RefSeq Size:	768 bp
RefSeq ORF:	351 bp
Locus ID:	1081
UniProt ID:	<a href="#">P01215</a>
Cytogenetics:	6q14.3
Domains:	GHA
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein



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**Protein Pathways:** Autoimmune thyroid disease, GnRH signaling pathway, Neuroactive ligand-receptor interaction

**MW:** 13 kDa

**Gene Summary:** The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]