

Product datasheet for **RC219189L4V**

CGB1 (NM_033377) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CGB1 (NM_033377) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CGB1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033377
ORF Size:	465 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219189).
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.
RefSeq:	NM_033377.1
RefSeq Size:	732 bp
RefSeq ORF:	468 bp
Locus ID:	114335
UniProt ID:	A6NKK9
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
MW:	16.5 kDa


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Gene Summary:

The beta subunit of chorionic gonadotropin (CGB) is encoded by six highly homologous and structurally similar genes that are arranged in tandem and inverted pairs on chromosome 19q13.3, and contiguous with the luteinizing hormone beta (LHB) subunit gene. The CGB genes are primarily distinguished by differences in the 5' untranscribed region. This gene was originally thought to be one of the two pseudogenes (CGB1 and CGB2) of CGB subunit, however, detection of CGB1 and CGB2 transcripts in vivo, and their presence on the polysomes, suggested that these transcripts are translated. To date, a protein product corresponding to CGB1 has not been isolated. The deduced sequence of the hypothetical protein of 132 aa does not share any similarity with that of functional CGB subunits (PMID:8954017). However, a 155 aa protein, translated from a different frame, is about the same size, and shares 98% identity with other CGB subunits. [provided by RefSeq, Jul 2008]