

Product datasheet for RC219189L3

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CGB1 (NM_033377) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CGB1 (NM_033377) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CGB1

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide

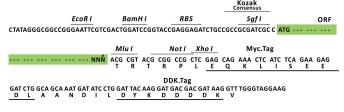
The ORF insert of this clone is exactly the same as(RC219189).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_033377

ORF Size: 465 bp

CGB1 (NM_033377) Human Tagged Lenti ORF Clone - RC219189L3

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.

19q13.33

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: <u>NM 033377.1</u>

 RefSeq Size:
 732 bp

 RefSeq ORF:
 468 bp

 Locus ID:
 114335

 UniProt ID:
 A6NKQ9

Protein Families: Druggable Genome

MW: 16.5 kDa

Cytogenetics:

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]