

Datasheet for ABIN4940645

Human CGB ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	CGB
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human CGB with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	498 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGATGT TCCAGGGGCT GCTGCTGTTG CTGCTGCTGA GCATGGGCGG GACATGGGCA TCCAAGGAGC CGCTTCGGCC ACGGTGCCGC CCCATCAATG CCACCCTGGC TGTGGAGAAG GAGGGCTGCC CCGTGTGCAT CACCGTCAAC ACCACCATCT GTGCCGGCTA CTGCCCCACC ATGACCCGCG TGCTGCAGGG GGTCTGCCG GCCCTGCCTC AGGTGGTGTG CAACTACCGC GATGTGCGCT TCGAGTCCAT CCGGCTCCCT GGCTGCCCGC GCGGCGTGAA CCCCCTGGTC

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Product Details

TCCTACGCCG TGGCTCTCAG CTGTCAATGT GCACTCTGCC GCCGCAGCAC CACTGACTGC
GGGGGTCCCA AGGACCACCC CTTGACCTGT GATGACCCCC GCTTCCAGGA CTCCTCTTCC
TCAAAGGCC CTCCCCCAG CCTTCCAAGC CCATCCCGAC TCCCGGGGCC CTCGGACACC
CCGATCCTCC CACAATAA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: CGB

Alternative Name: CGB ([CGB Products](#))

Background: This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. [provided by RefSeq, Jul 2008].

Gene ID: 1082

NCBI Accession: [NM_000737](#)

Application Details

Restrictions: For Research Use only

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Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)