

Datasheet for ABIN4935951

## Human REG1B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	REG1B
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 REG1B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	501 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCTCAGA CCAACTCGTT CTTTCATGCTG ATCTCCTCCC TGATGTTTCT GTCTCTGAGC CAAGGCCAGG AGTCCCAGAC AGAGCTGCCT AATCCCCGAA TCAGCTGCCC AGAAGGCACC AATGCCTATC GCTCCTACTG CTACTACTTT AATGAAGACC CTGAGACCTG GGTTGATGCA GATCTCTATT GCCAGAACAT GAATTCAGGC AACCTGGTGT CTGTGCTCAC CCAGGCGGAG GGTGCCCTTCG TGGCCTCACT GATTAAGGAG AGTAGCACTG ATGACAGCAA TGTCTGGATT

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## Product Details

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GGCCTCCATG ACCCAAAAAA GAACCGCCGC TGGCACTGGA GTAGTGGGTC CCTGGTCTCC  
TACAAGTCCT GGGACACTGG ATCCCCGAGC AGTGCTAATG CTGGCTACTG TGCAAGCCTG  
ACTTCATGCT CAGGATTCAA GAAATGGAAG GATGAATCTT GTGAGAAGAA GTTCTCCTTT  
GTTTGCAAGT TCAAAAACTA G

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

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Gene: REG1B

Alternative Name: REG1B ([REG1B Products](#))

Background: This gene is a type I subclass member of the Reg gene family. The Reg gene family is a multigene family grouped into four subclasses, types I, II, III and IV based on the primary structures of the encoded proteins. This gene encodes a protein secreted by the exocrine pancreas that is highly similar to the REG1A protein. The related REG1A protein is associated with islet cell regeneration and diabetogenesis, and may be involved in pancreatic lithogenesis. Reg family members REG1A, REGL, PAP and this gene are tandemly clustered on chromosome 2p12 and may have arisen from the same ancestral gene by gene duplication. [provided by RefSeq, Jul 2008].

Gene ID: 5968

NCBI Accession: [NM\\_006507](#)

## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Storage: RT/-20 °C

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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.

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Expiry Date: 12 months

## Publications

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