

Datasheet for ABIN4940308

## Human CTAG1B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	CTAG1B
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 CTAG1B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	543 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCAGGCCG AAGGCCGGGG CACAGGGGGT TCGACGGGCG ATGCTGATGG CCCAGGAGGC</p> <p>CCTGGCATTCTCTGATGGCCCC AGGGGGCAAT GCTGGCGGCC CAGGAGAGGC GGGTGCCACG</p> <p>GGCGGCAGAG GTCCCCGGGG CGCAGGGGCA GCAAGGGCCT CGGGGCCGGG AGGAGGCGCC</p> <p>CCGCGGGGTC CGCATGGCGG CGCGGCTTCA GGGCTGAATG GATGCTGCAG ATGCGGGGCC</p> <p>AGGGGGCCGG AGAGCCGCCT GCTTGAGTTC TACCTCGCCA TGCCTTTCGC GACACCCATG</p>

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## Product Details

GAAGCAGAGC TGGCCCGCAG GAGCCTGGCC CAGGATGCCC CACCGCTTCC CGTGCCAGGG  
GTGCTTCTGA AGGAGTTCAC TGTGTCCGGC AACATACTGA CTATCCGACT GACTGCTGCA  
GACCACCGCC AACTGCAGCT CTCCATCAGC TCCTGTCTCC AGCAGCTTTC CCTGTTGATG  
TGGATCACGC AGTGCTTTCT GCCCGTGTTT TTGGCTCAGC CTCCCTCAGG GCAGAGGCGC  
TAA

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: CTAG1B

Alternative Name: CTAG1B ([CTAG1B Products](#))

Background: The protein encoded by this gene is an antigen that is overexpressed in many cancers but that is also expressed in normal testis. This gene is found in a duplicated region of the X-chromosome and therefore has a neighboring gene of identical sequence. [provided by RefSeq, Jan 2012].

Gene ID: 1485

NCBI Accession: [NM\\_001327](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Storage: RT/-20 °C

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## Handling

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Storage Comment:	<ul style="list-style-type: none"><li>• Keep the vial sealed and store at -20°C for long-term storage.</li><li>• Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.</li><li>• 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.</li><li>• If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.</li><li>• Close the lid and vortex the vial for 1 minute.</li><li>• Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.</li></ul>
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Expiry Date:	12 months
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## Publications

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