

Datasheet for ABIN4931171

Human COLCA2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	COLCA2
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 COLCA2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	756 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGTCGGAAA AACCGAAGGT GTATCAAGGT GTCCGAGTGA AGATCACAGT GAAGGAGCTG CTGCAGCAAA GACGGGCACA CCAGGCGGCC TCCGGGGGAA CCCGGTCCGG AGGCAGCAGT GTCCACCTTT CAGACCCAGT TGCACCATCT TCTGCAGGAC TGTATTTTGA GCCTGAACCA ATTTCTTCCA CGCCCAATTA TTTGCAACGG GGAGAATTTT CCAGTTGTGT TTCATGTGAA GAAAAC TCAA GCTGCCTCGA CCAGATCTTT GATTCCTACC TTCAGACAGA GATGCACCCG</p>

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Product Details

GAGCCTTTGC TCAATTCCAC ACAAAGTGCT CCACACCATT TCCCAGACAG CTTCCAGGCC
ACCCCTTTCT GCTTTAACCA GAGCCTGATC CCAGGATCAC CTTCAAATTC CTCCATTCTC
TCTGGCTCCT TAGACTACAG TTAICTCGCCA GTGCAGCTGC CTTTCATATGC TCCAGAGAAT
TACAATTCCC CTGCTTCTCT GGACACCAGA ACCTGTGGCT ACCCCCCAGA AGACCATTCC
TACCAACACT TGTCTCACA CGCCCAGTAC AGCTGCTTCT CCTCGGCCAC CACCTCCATC
TGCTACTGCG CATCGTGTGA GGCAGAGGAC TTGGATGCTC TCCAGGCAGC AGAGTACTTC
TACCCGAGCA CAGACTGTGT GGACTTTGCC CCCTCAGCAG CCGCCACCAG TGATTTCTAT
AAGAGGGAAA CAAACTGTGA CATCTGCTAT AGTTAA

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: COLCA2

Alternative Name: COLCA2

Gene ID: 120376

NCBI Accession: [NM_001271458](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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Handling

- 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

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