

Datasheet for ABIN4938171

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

Overview

Quantity:	10 µg
Gene:	KLLN
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 KLLN with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	537 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGATCGCC CGGGGCCAGG CTCCGCGCGC CCCGGCCGGA CCGTGCACGT TTGGGGTTAC CGGGTTGAGT GGAAAGTACG GAACGGTAGG AAGCTGCAGC CCAGCGAGTG GGCGGGGCGA GGAGACCTAG GAGGGTTCAA AAGGAGGTGG AAGGATACAC GGGCCACAGT CGGAACTACT TTCCGAAGGA GGTACACGTGT GTCCCTAGTT GGGGAACCTT CCAAATCCC ACTCCCCAGT GATAGCTCCG GAGGCAAGTC GTCTTCTTCC TTTGCTCGGG GTGCTCTTGC CTGGTGCAGG

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Product Details

CAGCGGAACC CCAACCCTTC CTGCGCCGCG GCGGAAACAG GGGCTCGGAC CAGCCTCCCG
AAGGAGCGCT GTCGGGGCTG GCGCTTGGGG AACTGGTTAC ACAAGCACCC ACATCCAAAC
ACGTGCCCCC GCCTCCCCGC CTGCTGGCTG CCGCCGATTC TTACAGAACG CGGGGAGAGA
GTCCCCAAAC TGGTGCCACT CCTCGCCTGC TACCCTAAGA GCAAGCCAAA GGACTGA

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: KLLN

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

Background: The protein encoded by this intronless gene is found in the nucleus, where it can inhibit DNA synthesis and promote S phase arrest coupled to apoptosis. The expression of this DNA binding protein is upregulated by transcription factor p53. [provided by RefSeq, Dec 2012].

Gene ID: 100144748

NCBI Accession: [NM_001126049](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.

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Handling

- 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)