Datasheet for ABIN4933441

Human AK9 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	Adenylate Kinase 9 (AK9)
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 AK9 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1266 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGACTTCTC AAGAGAAGAC AGAAGAGTAT CCTTTTGCAG ATATATTTGA TGAAGATGAA ACTGAAAGGA ATTTTTTGTT GTCCAAACCT GTTTGCTTTG TTGTATTTGG GAAACCAGGT GTTGGGAAAA CAACATTAGC CCGTTACATA ACACAGGCAT GGAAATGTAT TCGTGTTGAA GCTTTGCCAA TTTTAGAAGA ACAGATTGCT GCTGAAACCG AATCAGGAGT TATGTTGCAA TCAATGTTGA TCAGCGGTCA AAGCATTCCA GATGAACTTG TCATAAAGCT AATGTTGGAG

Product Details

	AAGCTCAACT CCCCAGAAGT CTGTCACTTT GGTTATATTA TCACTGAAAT ACCATCACTT TCACAGGATG CCATGACTAC CTTACAGCAA ATAGAATTAA TTAAAAACTT AAACCTGAAA CCTGATGTTA TAATCAATAT AAAGTGTCCT GACTATGATT TGTGCCAGAG AATTTCTGGG CAAAGACAGC ACAATAATAC GGGATACATA TACAGTAGAG ACCAGTGGGA TCCTGAAGTC ATTGAGAATC ATAGGAAAAA GAAGAAAGAA GCCCAAAAGG ACGGAAAAGG AGAAGAGGAA GAAGAGGAAG AAGAGCAAGA AGAAGAAGAG GCATTTATTG CCGAAATGCA GATGGTGGCT GAAATTCTTC ATCATCTAGT TCAGAGGCCT GAAGATTATT TGGAAAATGT TGAAAACATT GTTAAGCTTT ATAAGGAAAC AATTCTCCAA ACTTTAGAAG AAGTAATGGC TGAACACAAT CCCCAGTATC TCATTGAGCT AAATGGAAAT AAACCAGCAG AGGAGCTCTT TATGATTGTT ATGGATCGAC TTAAATATCT GAACCTAAAA AGAGCAGCTA TTCTAACCAA ACTTCAGGGT GCAGAGGAAG AAATTAATGA CACAATGGAA AATGATGAGC TATTTCGTAC TCTTGCATCT TATAAACTTA TTGCACCAAG ATACAGATGG CAAAGAAGTA AATGGGGACG TACATGTCCT GTGAATTTAA AAGATGGTAA CATTTATTCA GGATTACCAG ATTATTCTGT GAGTTTTCTA GGTAAAATCT ACTGTCTTTC ATCAGAAGAA GCATTAAAAC CATTTTTGTT GAACCCACGT CCCTATCTGC TTCCACCTAT GCCAGGACCA CCATGTAAAG TATTCATACT TGGACCTCAA TATTCAGGGA AAACAACACT TTGCAATATG CTTGCAGAAA ATTACAAAGG AAAGGTGACT AACTAA
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:	Adenylate Kinase 9 (AK9)
Alternative Name:	AK9 (AK9 Products)
Gene ID:	221264
NCBI Accession:	NM_145025

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. • 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)