Datasheet for ABIN4928012

Human KRT37 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	Keratin 37 (KRT37)
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 KRT37 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1350 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGACCTCCT TCTACAGCAC CTCCTCATGC CCTCTGGGTT GCACCATGGC TCCTGGAGCA AGAAATGTCT TTGTCTCTCC TATCGATGTT GGGTGCCAGC CTGTGGCAGA GGCCAATGCT GCCTCCATGT GCCTCTTGGC CAACGTGGCA CACGCCAACA GAGTCCGTGT GGGGTCGACT CCCCTGGGCC GCCCCAGCCT CTGTCTGCCC CCAACCAGTC ACACTGCTTG TCCCTTGCCA GGGACCTGTC ACATTCCCGG CAACATCGGA ATCTGTGGGG CCTACGGCAA AAACACCCTG

Product Details

	AATGGCCATG AGAAGGAGAC CATGAAGTTC CTGAATGACC GCCTGGCCAA CTACCTGGAG AAGGTGCGCC AGCTGGAGCA GGAGAATGCA GAGCTGGAGA CCACACTCCT CGAGAGGAGC AAGTGCCACG AGTCCACCGT GTGCCCCGAC TACCAGTCCT ACTTCCGTAC AATCGAGGAG CTCCAGCAGA AGATCCTGTG CAGCAAGGCT GAGAATGCCA GGCTGATTGT ACAAATTGAC AACGCGAAGC TGGCTGCTGA TGACTTTAGG ATCAAGCTGG AGAGTGAGCG CTCCCTTCAC CAGCTGGTGG AGGCGGACAA GTGCGGGACG CAGAAGCTCC TGGATGACGC GACCCTGGCC AAGGCCGACC TGGAGGCCCA GCAGGAGTCC CTGAAGGAGG AGCAGCTCTC CCTCAAGAGC AACCACGAGC AGGAAGTAAA GATTCTGAGG AGTCAGCTGG GGGAGAAGTT CCGGATCGAG CTGGACATTG AGCCCACCAT TGACCTGAAC AGGGTGTTGG GGGAGATGCG GGCTCAGTAC GAGGCCATGG TGGAGACCAA CCACCAGGAT GTGGAACAGT GGTTCCAAGC CCAGTCTGAA GGCATCAGCC TGCAGGCCAT GTCCTGCTCC GAGGAGCTGC AGTGCTGCCA GTCGGAGATC CTGGAGCTGA GATGCACGGT GAATGCCCTG GAGGTGGAGC GCCAAGCCCA GCACACCTTG AAGGACTGTC TGCAGAACTC CCTGTGTGAA GCGGAGGACC GCTACGGCAC AGAGCTGGCC CAGATGCAGA GCCTCATTAG CAACTTGGAA GAGCAGTTGT CTGAGATCCG GGCCGACCTG GAGCGGCAGA ACCAGGAGTA CCAGGTGCTG CTGGACGTGA AGGCCCGGTT GGAGAACGAG ATTGCCACAT ACCGGAACCT TCTGGAGAGC GAGGACTGCA AACTCCCCTG CAATCCCTGT TCCACGCCTG CCTCCTGTAC TTCTTGTCCA AGCTGTGGCC CTGTCACCGG TGGGTCTCCC TCTGGCCATG GAGCCAGCAT GGGGAGATGA
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:	Keratin 37 (KRT37)
Alternative Name:	KRT37 (KRT37 Products)
Background:	The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails.

Target Details

	The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq, Jul 2008].
Gene ID:	8688
NCBI Accession:	NM_003770

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)