

Datasheet for ABIN4928004

Human KRT74 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	KRT74
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 KRT74 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1590 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAGTCGGC AACTGAACAT CAAGTCCAGT GGTGACAAGG GCAACTTCAG TGTGCATTCC GCAGTGGTGC CAAGGAAGGC TGTGGGTAGC CTGGCTTCTT ACTGTGCAGC TGGCAGAGGG GCTGGCGCTG GCTTTGGCAG TCGGAGCCTC TATAGCCTTG GAGGGAATCG GCGTATTTCT TTCAATGTGG CTGGTGGCGG CGTTCGGGCT GGAGGTTACG GCTTCAGGCC TGGCTCTGGG TATGGAGGGG GCCGGGCCAG TGGCTTTGCT GGCAGTATGT TTGGCAGTGT GGCCCTGGGG

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Product Details

CCTGCATGTT TGTCTGTGTG CCCACCTGGG GGCATCCACC AGGTCACTGT CAACAAGAGC
CTCTTGCCCC CCCTCAACGT GGAGCTGGAC CCTGAGATCC AGAAGGTGCG CGCCCAGGAG
CGGGAACAGA TCAAGGTGCT GAACGACAAG TTCGCCTCCT TCATTGACAA GGTACGCTTC
CTAGAGCAGC AGAACCAGGT TCTAGAAACC AAGTGGGAGC TGCTGCAGCA GCTGGACCTG
AACAACTGCA AGAAGAACCT GGAGCCCATC CTTGAGGGCT ACATCAGCAA CCTGCGGAAG
CAGCTGGAGA CACTGTCTGG GGACAGGGTG AGGCTGGACT CGGAGCTGAG AAGCATGAGG
GATCTGGTGG AGGACTATAA GAAGAGATAT GAAGTGGAGA TTAACCGGCG CACGACAGCA
GAGAATGAGT TTGTGGTGCT TAAGAAGGAT GCAGATGCAG CCTACGCAGT CAAGGTGGAG
CTTCAGGCCA AAGTGGACTC ACTGGACAAA GAAATCAAGT TCCTCAAGTG TCTGTATGAT
GCAGAGATCG CTCAGATCCA GACTCACGCC AGTGAGACCT CTGTATCCT GTCCATGGAC
AACAAACGGG ACCTGGACCT TGACAGCATC ATCGCTGAGG TCCGCATGCA TTATGAGGAG
ATCGCCCTGA AGAGCAAGGC CGAGGCCGAG GCCCTGTACC AGACCAAGAT CCAGGAGCTG
CAGCTGGCAG CCAGTCGGCA TGGTGACGAC CTGAAACACA CCAGGAGCGA GATGGTGGAG
CTGAACCGGC TCATCCAGAG GATCCGGTGT GAGATCGGGA ATGTGAAGAA GCAGCGTGCC
AGCCTGGAGA CGGCCATCGC TGACGCTGAG CAGCGGGGAG ACAATGCCCT GAAGGATGCC
CAGGCCAAGC TGGATGAGCT GGAGGGCGCC CTGCACCAGG CCAAGGAGGA GCTGGCGCGG
ATGCTGCGCG AGTACCAGGA GTCATGAGC CTGAAACTGG CCCTGGACAT GGAGATTGCC
ACCTACCGCA AGCTGCTGGA GGGCGAGGAG TGCAGGATGT CTGGTGAGAA TCCATCCTCT
GTGAGCATCT CTGTATCAG CAGTAGCAGC TACAGCTACC ACCACCCAG CTCTGCGGGT
GTTGACCTTG GGGCCAGCGC TGTGGCAGGC AGCTCTGGCA GCACCCAGAG CGGGCAGACC
AAGACCACAG AGGCGCGAGG GGGAGACCTC AAGGACACCC AGGGCAAGAG CACCCAGCC
AGCATCCCAG CAAGGAAAGC CACCCGCTAG

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:	<ul style="list-style-type: none">• 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.

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Target Details

Gene:	KRT74
Alternative Name:	KRT74 (KRT74 Products)
Background:	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This protein belongs to a family of keratins that are specifically expressed in the inner root sheath of hair follicles.[provided by RefSeq, Jun 2009].
Gene ID:	121391
NCBI Accession:	NM_175053

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	<ul style="list-style-type: none">• 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)