

Datasheet for ABIN4926627

Human NFE4 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	NFE4
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 NFE4 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	540 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	CTGCCTCGTG TTGTCTGTTG GCACACTCTC AAGAGTTTGA ACGGATACAA GAATCTTTCA TCTGGTGCCG AAACCCGGGA GGGGCTCCGG TCTTCGTCCC CCGTGGACCT ACCCCTCCGC CCCAGAAAGC AGGCCACAGC AGCCGGACAA AGGAAGCTCC TCAGCCTCCA GTTGCTTCTC TGTGCATGCA CATCAGTCAC TGATCTCACC TACTGGGGCC CTGCAGGCCA TGGGGCCACA GCTCCACACA GAAGCCTCCT AGCAATCCAC CTCCACCTGG TGCCTGCTTC AAGTGC GGCA

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Product Details

ATGAAGGCCA CTGGCCCACA CAATGCCCAA ACCCAGGTAA ACCCACGAGG CCATGCCCCC
TCTGCGGAGG ACCCCACTGG AAGTTGGACT GTGAGCGGCC CCTGCAAGGA CCACCCCAT
CCCTTCCTGA GCCAATCAAA CCCTCCTACT CGGATCTCGT CAGCCTTGCC GCTGAAGACT
GATAGTGCCT TGGAACAGAC ACCCCAGCAA CTACCATCGC TTCATCTGAG CCAAGGGTAA

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.

Target Details

Gene:	NFE4
Alternative Name:	NFE4 (NFE4 Products)
Background:	The erythroid-specific protein encoded by this gene, and the ubiquitous transcription factor CP2, form the stage selector protein (SSP) complex, which is involved in preferential expression of the gamma-globin genes in fetal erythroid cells. Alternate use of an in-frame upstream non-AUG (CUG) translation initiation codon, and a downstream AUG codon, results in two isoforms. While the long isoform (22 kDa) acts as an activator, the short isoform (14 kDa) has been shown to repress gamma-globin gene expression. This gene is located in an intron of the FBXL13 gene on the opposite strand. [provided by RefSeq, Jul 2008].
Gene ID:	58160
NCBI Accession:	NM_001085386

Application Details

Restrictions:	For Research Use only
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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)