

Datasheet for ABIN4941427

Human ARMS2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	ARMS2
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 ARMS2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	324 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCTGCGCC TATACCCAGG ACCGATGGTA ACTGAGGCGG AGGGGAAAGG AGGGCCTGAG</p> <p>ATGGCAAGTC TGTCCCTCCT GGTGGTTCCT GTGTCCTTCA TTTCCACTCT GCGAGAGTCT</p> <p>GTGCTGGACC CTGGAGTTGG TGGAGAAGGA GCCAGTGACA AGCAGAGGAG CAACTGTCT</p> <p>TTATCACACT CCATGATCCC AGCTGCTAAA ATCCACACTG AGCTCTGCTT ACCAGCCTTC</p> <p>TTCTCTCCTG CTGGAACCCA GAGGAGGTTT CAGCAGCCTC AGCACCACCT GACACTGTCT</p>

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Product Details

ATCATCCACA CTGCAGCAAG GTGA

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: ARMS2

Alternative Name: ARMS2 ([ARMS2 Products](#))

Background: This gene encodes a protein that is thought to play a role in diseases in the elderly. Mutations in this gene have been associated with age-related macular degeneration. [provided by RefSeq, Oct 2008].

Gene ID: 387715

NCBI Accession: [NM_001099667](#)

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.

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Handling

- 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)