

Datasheet for ABIN4936864

Human PAGE4 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | PAGE4 |
| 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 PAGE4 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 309 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGAGTGCAC GAGTGAGATC AAGATCCAGA GGAAGAGGAG ATGGTCAGGA GGCTCCCGAT GTGGTTGCAT TCGTGGCTCC CGGTGAATCT CAGCAAGAGG AACCACCAAC TGACAATCAG GATATTGAAC CTGGACAAGA GAGAGAAGGA ACACCTCCGA TCGAAGAACG TAAAGTAGAA GGTGATTGCC AGGAAATGGA TCTGGAAAAG ACTCGGAGTG AGCGTGGAGA TGGCTCTGAT GTAAAAGAGA AGACTCCACC TAATCCTAAG CATGCTAAGA CTAAAGAAGC AGGAGATGGG |

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Product Details

CAGCCATAA

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: PAGE4

Alternative Name: PAGE4 ([PAGE4 Products](#))

Background: This gene is a member of the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in prostate and prostate cancer. It is also expressed in other male and female reproductive tissues including testis, fallopian tube, uterus, and placenta, as well as in testicular cancer and uterine cancer. The protein encoded by this gene shares sequence similarity with other GAGE/PAGE proteins, and also belongs to a family of CT (cancer-testis) antigens. The protein may play a role in benign and malignant prostate diseases. A related pseudogene is located on chromosome 7. [provided by RefSeq, Aug 2013].

Gene ID: 9506

NCBI Accession: [NM_007003](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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Handling

- 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.
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Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)