

Datasheet for ABIN4925593

Human PGAM4 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PGAM4
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 PGAM4 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	765 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCGCCT ACAAACTGGT GCTGATCCGG CACGGCGAGA GCACATGGAA CCTGGAGAAC CGCTTCAGCT GCTGGTACGA CGCCGATCTG AGCCCGGCGG GCCACGAGGA GGCGAAGCGC GGCGGGCAGG CGCTACGAGA TGCTGGCTAT GAGTTTGACA TCTGCCTCAC CTCAGTGCAG AAGAGAGTGA TCCGGACCCT CTGGACAGTG CTAGATGCCA TTGATCAGAT GTGGCTGCCA GTGGTGAGGA CTTGGCGCCT CAATGAGCGG CACTATGGGG GTCTAACCGG TCTCAATAAA

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Product Details

GCAGAACTG CTGCAAAGCA TGGTGAGGCC CAGGTGAAGA TCTGGAGGCG CTCCTATGAT
GTCCCACCAC CTCCGATGGA GCCCGACCAT CCTTTCTACA GCAACATCAG TAAGGATCGC
AGGTATGCAG ACCTCACAGA AGATCAGCTA CCCTCCTATG AGAGTCCGAA GGATACTATT
GCCAGAGCTC TGCCCTTCTG GAATGAAGAA ATAGTTCCCC AGATCAAGGA GGGGAAACGT
GTACTGATTG CAGCCCATGG CAACAGCCTC CAGGGCATTG CCAAGCATGT GGAGGGTCTC
TCTGAAGAGG CTATCATGGA GCTGAACCTG CCGACTGGTA TTCCCATCGT CTATGAATTG
GACAAGAACT TGAAGCCTAT CAAGCCCATG CAGTTTCTGG GGGATGAAGA GACGGTGTGC
AAAGCCATAG AAGCTGTGGC TGCCCAGGGC AAGGCCAAGA AGTGA

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: PGAM4

Alternative Name: PGAM4 ([PGAM4 Products](#))

Background: This intronless gene appears to have arisen from a retrotransposition event, yet it is thought to be an expressed, protein-coding gene. The encoded protein is a member of the phosphoglycerate mutase family, a set of enzymes that catalyze the transfer of a phosphate group from 3-phosphoglycerate to 2-phosphoglycerate. [provided by RefSeq, May 2010].

Gene ID: 441531

NCBI Accession: [NM_001029891](#)

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)