

Datasheet for ABIN4918462

Human PRY2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PRY2
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 PRY2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	444 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGAGCCA CTGGGCTTGG CTTTCTACTT TCCTGGAGAC AAGACAATTT GAATGGCACT GACTGCCAGG GATGCAATAT TTTATACTTC TCTGAGACTA CGGGGAGCAT GTGTTCTGAA CTTTCCTTGA ACAGAGGTCT TGAGGCCAGA AGGAAGAAGG ATCTTAAAGA CTCATTTCTC TGGAGATATG GGAAGGTTGG CTGTATCTCA CTTCCACTTC GTGAGATGAC CGCCTGGATT AACCCACCCC AAATTCAGA GATTTTCCAA GGCTACCACC AGAGGGTGCA CGGAGCTGAT

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Product Details

GCACTGAGCC TGCAAACCAA CTCTCTGAGA AGCAGGTTAT CTTACAGTG CCTCGGACAG
AGCTTCCTTC TCAGGACACT CGAGAGAGGC CGTGGTTTCA GGGCACTTGG GGACATCTGT
GGCCACGTTC ATGAAGAAGA CTAA

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: PRY2

Alternative Name: PRY2

Background: This gene is located in the nonrecombining portion of the Y chromosome, and expressed specifically in testis. It encodes a protein which has a low degree of similarity to protein tyrosine phosphatase, non-receptor type 13. Two nearly identical copies of this gene exist within a palindromic region. This record represents the more centromeric copy. [provided by RefSeq, Jul 2008].

Gene ID: 442862

NCBI Accession: [NM_001002758](#)

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)