

Datasheet for ABIN4925124

Human PRAC2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PRAC2
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 PRAC2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	423 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGCCTC AGGTTGCGGC TCTGCGTTGC GGGTGCTGGA ACCGAGATTC AAAAAGAGCT TCCGAGAGTT CCATACAAGT AAATCCGAAA AAAAGTGTGT GTGGGGGGGT CCACACCACT AATTATTATG GCGAGGAAGA TAAAGAAGAC ATGGACAGAA GCGGATGGC TCTGCGGCCT GGCTCCCGCA GACCGACCGC CTTCTTCTTC CATTGAGAT GGCTCGTACC GAACCTCCTT GCCTTCTTCC TGGGTCTCTC GGGGGCTGGA CCAATACATC TGCCGATGCC CTGGCCGAAT

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Product Details

GGCAGGCGAC ATCGGGTCCT GGACCCCCAC ACGCAGCTCA GTACCCACGA GGCCCCAGGC
CGCTGGAAGC CTGTAGCTCC GCGGACGATG AAAGCCTGCC CGCAGGTTCT CCTGGAGTGG
TGA

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: PRAC2

Alternative Name: PRAC2

Background: This gene is highly expressed in prostate, rectum, colon, and testis. This gene may produce a non-coding RNA or may encode a short protein that might localize to the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013].

Gene ID: 360205

NCBI Accession: [NM_001282276](#)

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.

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Handling

- Open the lid and add 100 μ l (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)