

Datasheet for ABIN4924382

Human RGS21 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	RGS21
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 RGS21 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	459 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCCAGTGA AATGCTGTTT CTACAGGTCA CCAACTGCCG AAACAATGAC ATGGTCTGAA AATATGGACA CGCTTTTAGC CAACCAAGCT GGTCTAGATG CTTTTCGAAT ATTTCTAAAA TCAGAGTTTA GTGAAGAAAA TGTTGAGTTC TGGCTTGCCT GTGAAGACTT TAAGAAAACG AAAAATGCAG ACAAATTGC TTCCAAAGCC AAGATGATTT ATTCTGAATT CATTGAAGCT GATGCACCTA AAGAGATTAA CATTGACTTC GGTACCAGAG ACCTCATCTC AAAGAATATT

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Product Details

GCTGAACCAA CACTCAAATG CTTTGATGAG GCTCAGAAAT TAATCTATTG TCTCATGGCC
AAGGATTCTT TCCCTCGATT TCTGAAGTCA GAGATTTATA AAAAAGTGGT AAATAGCCAA
CAGGTTCCAA ATCATAAAAA ATGGCTCCCT TTTTTGTGA

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: RGS21

Alternative Name: RGS21 ([RGS21 Products](#))

Background: Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi (see GNAI1, MIM 139310) and Gq (see GNAQ, MIM 600998) class G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and thereby accelerate signaling kinetics and termination.[supplied by OMIM, Nov 2008].

Gene ID: 431704

NCBI Accession: [NM_001039152](#)

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)