

Datasheet for ABIN4939473

Human FGF19 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	FGF19
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 FGF19 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	651 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGCGGAGCG GGTGTGTGGT GGTCCACGTA TGGATCCTGG CCGGCCTCTG GCTGGCCGTG GCCGGGCGCC CCCTCGCCTT CTCGGACGCG GGGCCCCACG TGCACTACGG CTGGGGCGAC CCCATCCGCC TGCGGCACCT GTACACCTCC GGCCCCACG GGCTCTCCAG CTGCTTCCTG CGCATCCGTG CCGACGGCGT CGTGGACTGC GCGCGGGGCC AGAGCGCGCA CAGTTTGCTG GAGATCAAGG CAGTCGCTCT GCGGACCGTG GCCATCAAGG GCGTGCACAG CGTGCGGTAC</p>

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Product Details

CTCTGCATGG GCGCCGACGG CAAGATGCAG GGGCTGCTTC AGTACTCGGA GGAAGACTGT
GCTTTCGAGG AGGAGATCCG CCCAGATGGC TACAATGTGT ACCGATCCGA GAAGCACCGC
CTCCCGGTCT CCCTGAGCAG TGCCAAACAG CGGCAGCTGT ACAAGAACAG AGGCTTTCTT
CCACTCTCTC ATTTCTGCC CATGCTGCC ATGGTCCCAG AGGAGCCTGA GGACCTCAGG
GGCCACTTGG AATCTGACAT GTTCTCTTCG CCCCTGGAGA CCGACAGCAT GGACCCATTT
GGGCTTGTCA CCGGACTGGA GGCCGTGAGG AGTCCCAGCT TTGAGAAGTA A

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: FGF19

Alternative Name: FGF19 ([FGF19 Products](#))

Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth and invasion. This growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. [provided by RefSeq, Jul 2008].

Gene ID: 9965

NCBI Accession: [NM_005117](#)

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)