

## Product datasheet for **SC334099**

### FGF22 (NM\_001300812) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FGF22 (NM\_001300812) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FGF22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC334099 representing NM\_001300812.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

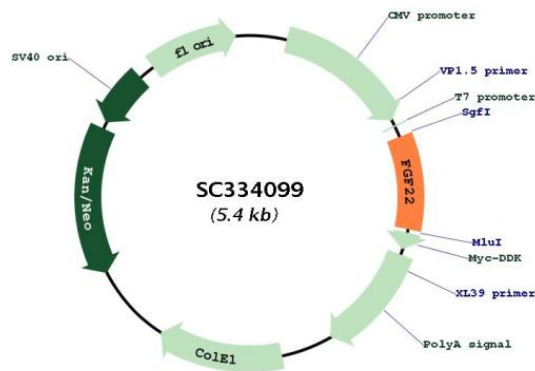
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCCGCCGCTGTGGCTGGGCTGGCTGGCTGCTGCTGGCGGGCGCCGGACGCCGCGGAACC
CCGAGCGCGTCGCGGGGACCGCGCAGCTACCCGCACCTGGAGGGCGACGTGCGCTGGCGGCGCCTTTC
TCCTCCACTCACTTCTTCTGCGCGTGGATCCCGCGGCCCGCGTGCAGGGCACCCGCTGGCGCCACGGC
CAGGACAGCATCCTGGAGATCCGCTCTGTACACGTGGGCGTCGTGGTCATCAAAGCAGTGTCTCAGGC
TTCTACGTGGCCATGAACCGCGGGGCCCTCTACGGTTCGGTTCGGGAGCGCATCGAAGAGAACGG
CCACAACACCTACGCCTACAGCGCTGGCGCCCGCGCCAGCCATGTTCTTGGCGCTGGACAGGAG
GGGGGGCCCCCGCCAGCGGCCGACGCGCGGTACCACCTGTCCGCCACTTCTGCCGTCTGGT
CTCCTGAGGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001300812

Insert Size: 498 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM\\_001300812.1](#)

|                   |  |
|-------------------|--|
| RefSeq Size:      | 620 bp   |
| RefSeq ORF:       | 498 bp   |
| Locus ID:         | 27006  |
| Cytogenetics:     | 19p13.3  |
| Protein Families: | Secreted Protein   |
| Protein Pathways: | MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton   |
| MW:               | 18.2 kDa   |
| Gene Summary:     | <p>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. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.</p> |