

Product datasheet for **SC303394**

FGF17 (NM_003867) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF17 (NM_003867) Human Untagged Clone
Tag:	Tag Free
Symbol:	FGF17
Synonyms:	FGF-13; FGF-17; HH20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003867, the custom clone sequence may differ by one or more nucleotides

```
ATGGGAGCCGCCGCTGCTGCCAACCTCACTCTGTGCTTACAGCTGCTGATTCTCTGCTGTCAA  
AGGGGAGAATCACCCGTCTCTAATTTTAACCAAGTACGTGAGGGACCAGGGCGCCATGACCG  
GAGCAGGCGGAGATCCGCGAGTACCAACTCTACAGCAGGACCAGTGGCAAGCACGTGCAGG  
CGTTCGATCTCCGCCACCGCCGAGGACGGCAACAAGTTTGCCAAGCTCATAGTGGAGACGG  
GCAGCCGGTTCGCATCAAAGGGGCTGAGAGTGAAGTACATCTGTATGAACAAGAGGGGCA  
CGGAAGCCAGCGGGAAGAGCAAAGACTGCGTGTTCACGGAGATCGTGTGGAGAACAATA  
TTCCAGAACGCCGCGCACGAGGGCTGGTTCATGGCCTTACGCGGAGGGGCGGCCCGCCAG  
GCAGCCGCCAGAACCAGCGGAGGCCACTTCATCAAGCGCTTACCAAGGCCAGCTGCCCTT  
CCCAA  
CCACGCCGAGAAGCAGAAGCAGTTCGAGTTTGTGGGCTCCGCCCCACCCGCCGACCAAG  
CGCACCG  
CGGCCCGAGCCCTCACGTAG
```

Restriction Sites:	Please inquire
ACCN:	NM_003867



[View online »](#)

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003867.2](#), [NP_003858.1](#)

RefSeq Size: 1238 bp

RefSeq ORF: 651 bp

Locus ID: 8822

UniProt ID: [O60258](#)

Cytogenetics: 8p21.3

Protein Families: Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Gene Summary:

This gene encodes a member of the fibroblast growth factor (FGF) family. Member of the FGF family 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 protein is expressed during embryogenesis and in the adult cerebellum and cortex and may be essential for vascular growth and normal brain development. Mutations in this gene are the cause of hypogonadotropic hypogonadism 20 with or without anosmia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.