

Product datasheet for **RC211274**

FGF17 (NM_003867) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FGF17 (NM_003867) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FGF17
Synonyms:	FGF-13; FGF-17; HH20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211274 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGAGCCGCCCGCTGCTGCCAACCTCACTCTGTGCTTACAGCTGCTGATTCTCTGCTGTCAAACCTC
 AGGGGGAGAATCACCCGTCTCCTAATTTTAACAGTACGTGAGGGACCAGGGCGCCATGACCGACCAGCT
 GAGCAGGCGGCAGATCCGCGAGTACCAACTCTACAGCAGGACCAGTGGCAAGCACGTGCAGGTACCCGGG
 CGTCGCATCTCCGCCACCGCCGAGGACGGCAACAAGTTTGCCAAGCTCATAGTGGAGACGGACACGTTTG
 GCAGCCGGGTTCGCATCAAAGGGGCTGAGAGTGAGAAGTACATCTGTATGAACAAGAGGGGCAAGCTCAT
 CGGGAAGCCCAGCGGGAAGAGCAAAGACTGCGTGTTCACGGAGATCGTGTGGAGAACAACTATACGGCC
 TTCCAGAACGCCCGGCACGAGGGCTGGTTCATGGCCTTCACGCGCAGGGGCGGCCCGCCAGGCTTCCC
 GCAGCCGCCAGAACCGCGAGGCCCACTTCATCAAGCGCCTCTACCAAGGCCAGCTGCCCTTCCCCAA
 CCACGCCGAGAAGCAGAAGCAGTTCGAGTTTGTGGGCTCCGCCCCACCCGCGGACCAAGCGCACACGG
 CGGCCCCAGCCCTCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC211274 protein sequence
 Red=Cloning site Green=Tags(s)

MGAARLLPNLTLCLQLLILCCQTQGENHPSNPNFYVRDQGAMTDQLSRRQIREYQLYSRTSGKHVQVTG
 RRISATAEDGNKFAKLIVETDTFGSRVRIKGAESEKYICMNRGKLIGKPSGKSKDCVFTEIVLENNYTA
 FQNAHGEWFMATRQGRPRQASRSRQNRQREAHFIKRLYQGQLPFPNHAEKQKQFEFVGSAPTRTRTKRTR
 RPQPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6369_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003867

ORF Size: 648 bp

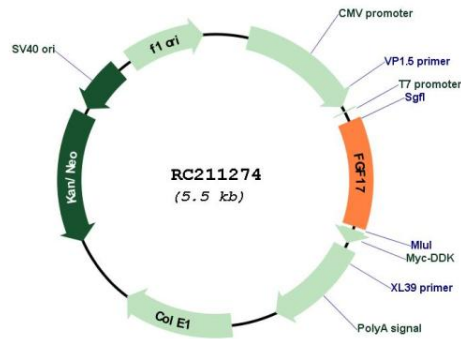
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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](#)

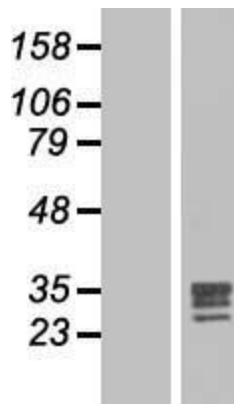
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003867.4
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
MW:	24.9 kDa
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]

Product images:



Circular map for RC211274



Western blot validation of overexpression lysate (Cat# [LY418391]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211274 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).