

# Product datasheet for RC204538

## FGF21 (NM\_019113) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

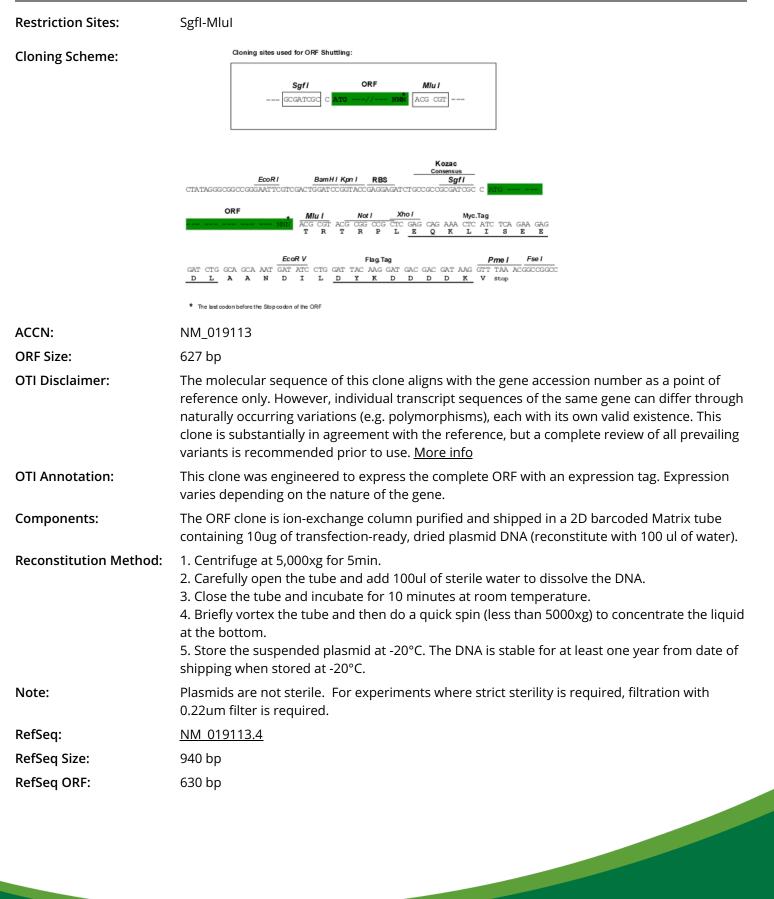
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	FGF21 (NM_019113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FGF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC204538 representing NM_019113 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGACTCGGACGAGACCGGGTTCGAGCACTCAGGGCTGTGGGTTTCTGTGCTGGCTG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	<pre>&gt;RC204538 representing NM_019113 Red=Cloning site Green=Tags(s)</pre>
	MDSDETGFEHSGLWVSVLAGLLLGACQAHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVG GAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAH GLPLHLPGNKSPHRDPAPRGPARFLPLPGLPPAPPEPPGILAPQPPDVGSSDPLSMVGPSQGRSPSYAS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mg2899_c02.zip



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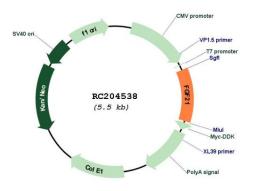
## GRIGENE FGF21 (NM\_019113) Human Tagged ORF Clone – RC204538



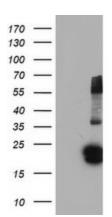
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	FGF21 (NM_019113) Human Tagged ORF Clone – RC204538
Locus ID: UniProt ID:	26291 Q9NSA1
Cytogenetics:	19q13.33
Protein Families:	Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton
MW:	19.4 kDa
Gene Summary:	Theis gene encodes 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. This protein is a secreted endocrine factor that functions as a major metabolic regulator. The encoded protein stimulates the uptake of glucose in adipose tissue. [provided by RefSeq, Mar 2016]

## **Product images:**

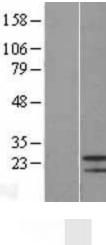


Circular map for RC204538

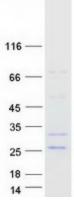


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FGF21 (Cat# RC204538, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FGF21(Cat# [TA502772]). Positive lysates [LY412740] (100ug) and [LC412740] (20ug) can be purchased separately from OriGene.

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Western blot validation of overexpression lysate (Cat# [LY412740]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204538 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FGF21 protein (Cat# [TP304538]). The protein was produced from HEK293T cells transfected with FGF21 cDNA clone (Cat# RC204538) using MegaTran 2.0 (Cat# [TT210002]).

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