

## Product datasheet for **RR210087**

### Gdf15 (NM\_019216) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gdf15 (NM\_019216) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gdf15  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR210087 representing NM\_019216  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTGCGCGCTCCATGCCAGCCTACAGGCGTCTCAGCTGAGGTTCTGCTGTTCTGCTGC  
TCTTGCTGTTCTGCTGTCATGGCCATCTCAGGGGACGCCCTGGCATTGCCTGAGCAGCGACGCTCCCT  
CTCTGAGTCCCAACTCAACCCGGACGAGCTACGGGGTCGTTCCAGGACCTGCTGAGCCGACTGCATGCC  
AACCAGAGCCGGGAGGACTCGAACTCAGAACCAACCCCTGACCCAGCTGTCCGGATACTCAGTCCAGAGG  
TGCGATTGGGGTCCCACGGCCGGTGTGCTCCGCGTCAACCGGGCGTCTGACTCAGGGTCTCCCCGA  
AGCCTACCGCGTGACCGAGCGCTGCTCCTGCTGACGCCTTCGTCAGGCCCTGGGACATCACCAGGCC  
CTGCAACGTGCGATCAGCCTCCAGGACCCACGCTCGCGCACTGCGCTTGCCTGGCGCCGCTCCCG  
ACCTAGCCGTGCTGCCCTCTGGCGGCGCGCCTGGAAGTGAAGTACGATCGGCCCGCCGAGGGGGCG  
CCGAAGCGCGCATTTGCACCCAAGAGACTCGTGCCCGTGGGTCCCGGGCGTGTGTCACCTGGAGACT  
GTGCAGGCAACTCTCGAGGACCTAGGTTGGAGCGACTGGTACTGTCCCCGCTCAGCTGCAACTGAGCA  
TGTGCGTGGGCGAGTGCCCCACCTCTACCGGTGGCCAAACGCATGCGCTGATCAAAGCACGCTGCA  
TGGCCTGCAGCCGACAGAGTGCCGCCCCGTGTGTGCCCTCCAGCTACACCCCGGTGGTTCTTATG  
CACAGGACAGACAGCGGCGTGTACTGCAGACTTATGATGATCTGGTAGCCAGGGCTGCCACTGCGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210087 representing NM\_019216  
Red=Cloning site Green=Tags(s)

MALRALHAQPTGGPQLRFLLFLLLLLLLSWPSQGDALALPEQRRSLSESQLNPDELGRFQDLLSRLHANQ  
 SREDSNSEPTDPVAVRILSPEVRLGSHGRLLLRVNRASLTQGLPEAYRVHRALLLTPSSRPWDITRPL  
 LQRAISLQGP HARALRLRAPPDLAVLP SGGARLEHLR SAAGRGRSSAHLHPRDSCPLGPGRCCHLET  
 VQATLEDL GWSDWYLSPRQLQLSMCVGECPHLYRSANTHALIKARLHGLQPDRVPAPCCVPSSYTPVVL  
 M HRTDSGVSLQTYDDLVAQGCHCA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1950\\_f03.zip](https://cdn.origene.com/chromatograms/ja1950_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_019216

**ORF Size:** 909 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](mailto: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:**

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\\_019216.2](#), [NP\\_062089.1](#)

**RefSeq Size:** 912 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 29455

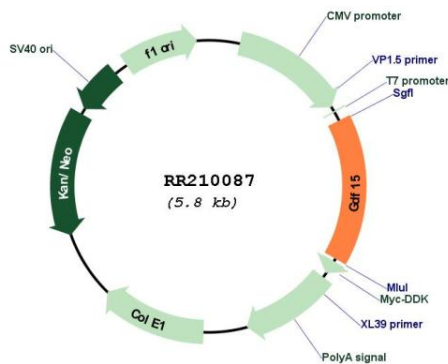
**UniProt ID:** [Q9Z0J6](#)

**Cytogenetics:** 16p14

**MW:** 33.9 kDa

**Gene Summary:** member of the TGF-beta superfamily of growth factors [RGD, Feb 2006]

**Product images:**



Circular map for RR210087