

## Product datasheet for **RR208038**

### Gdf3 (NM\_001109671) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gdf3 (NM\_001109671) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gdf3  
Synonyms: RGD1564178  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR208038 representing NM\_001109671  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAACCTTCCAAAGGCTTCTGACTCTCGGCTTCTTCTGTTAACCTGGCCCGGGCCAGACATCCG  
AGTTTCAAGACTATGACTTTTTGCAATTTCTGGGCTTAAAGAAAGCGCTTCACCCACAGGTTCCAACC  
TGTGCCTCGCATCTTAAGGAAAATCATACGGGCTCGAGAAACCGCTGCAGCCAGCGGGCCCTCGCAGGAC  
TTATGCTACGTGAAGGAGCTGGGCGTCCGTGGGAACCTGCTTCGGCTTCTCCAGACCAGGGTTTTTCC  
TTAACACACAGAAACCTTCCAAGATGGCTCCTGTCTACAGAAGGTCCTCTCTTTAACTTGCTGCCGT  
CAAAGAAAAGGAAAGTTGACCATGGCCAGCTGATTCTACACTTGGGGCCAGGTCCTACCATTACCTG  
CAGCTGGAGCTGGTGGTGGCTGTATCTGTGGTTCAAGATCGTGGTGTGTGGGGCGATCCCACCCTAAGC  
TGGGCAGGTTGCTCGTTCAGAAGTCTGTCTGGGACCTCAAGGTTCTCTTCAGTTCAACCTGCAGGGTGT  
GGTTAAGGATTGGAACCGCCACCAACTGAAGAATTTGGACTTATACTTAGAGATTCTGGTCAAAGAGGAC  
AGATACTCCAGGGTAAATGCCAGCTTGATAACCCCTGAACCACTGATGCACCTCTTTCATGCCTCCC  
TGCTGGTGGTGACCTCAACCTTAAACACTGTCAACCTTCTCCAGAAAGAAGAGGGCAGCCATCCCTAT  
TCCAAGGGTCTTTGTAGGAACCTCTGCCATCGTCACCAACTGTTGTCACACTTCCAGGACCTGGGTTGG  
CACAAGTGGGTCATTGCCCTAAGGGTTTTCATGGCAAACTACTGTGATGGAGATTGCCCTTACAAATGA  
CCACGATTTGAAATAGCTCCAATTATGCCTTTCATGCAGGCTCTGATGCATATGGCTGACCCAGGGTCCC  
CAAGGCTGTGTATCCCACCAAGCTGTCTCCAATCTCCATGCTCTATCAAGATAACGAGAAGAACGTC  
ATTCTCCGACATTATGAAGACATGGTAGTGATGAGTGTGGGTGTGGG

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208038 representing NM\_001109671  
 Red=Cloning site Green=Tags(s)

MQPSQRLLTLGFLLLTLARGQTSEFQDYDFLQFLGLKKAPSPHRFQPVPRILRKIIRARETAAASGASQD  
 LCYVKELGVRGNLLRLLPDQGF LNTQKPSQDGSCLQKVL SFNL SAVKEKGKL TMAQLILHLGPRSYHYL  
 QLELVVAVSVVQDRGVWGRSHPKLGRLLVQKSVLGPQGS LQFNLQGVVKDWNRHQLKNLDLYLEILVKED  
 RYSRVNAQLDNPCNQLMHS LHASLLVVTNLNKHCHPSSRKKRAA IPIPKGLCRNLCHRHQLFVNFQDLGW  
 HKWVIAPKGFMAN YCHGDCPFTMTTYLNSSNYAFMQALMHMADPRVPKAVCIPTKLSPI SMLYQDNEKNV  
 ILRHYEDMVVDECGCG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

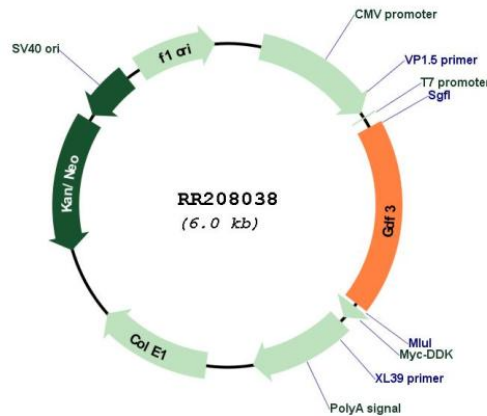
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109671

<b>ORF Size:</b>	1098 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001109671.1</a> , <a href="#">NP_001103141.1</a>
<b>RefSeq Size:</b>	1270 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	500311
<b>Cytogenetics:</b>	4q42
<b>MW:</b>	41.6 kDa