

## Product datasheet for MC208537

### Gdf11 (NM\_010272) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf11 (NM_010272) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdf11
Synonyms:	BMP-11; Bmp1; Bmp11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208537 representing NM_010272 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCTCGGGCCCCGCTGCTGCTGGGCTTCTGCTCCTCGCCCTGGAGCTGCGGCCCGGGGGAGG  
CGGCCGAGGGCCCCGCGCGGGCGCGGCGGCGGCGGCGGGTTCGGGGGGAGCGCTCGAG  
CCGGCCGGCCCCGCTCCGCTCCGCGGAGCCGGACGGCTGCCCGTGTGCGTGTGGCGGCAGCACAGCCG  
GAGCTGCGCCTAGAGAGCATCAAGTCGAGATCCTGAGCAAACCTCGGGCTCAAGGAGCGCCCAACATCA  
GCCGGGAGGTAGTGAAGCAGCTGCTGCCAAGGCGCCCGCTGCAGCAGATCCTGGATCTGCACGACTT  
CCAAGGCGACGCGCTGCAGCCTGAGGACTTCTTGAAGAGGACGAGTACCACGCTACCACCGAGACGGTC  
ATAAGCATGGCCAGGAGACGGACCCTGCAGTGCAGACAGATGGCAGCCCTCTCTGCTGTATTTCCACT  
TCAGCCCCAAGGTGATGTTACCAAGGTAAGGCCCCAAGTGGGTGTACCTTCGGCCTGTGCCCG  
CCCAGCCACAGTCTACCTGCAGATCTTACGACTGAAACCCCTAAGTGGGAAGGGACCGCAGGGGGAGGG  
GGTGGAGGCCGGCGTCACATCCGTATCCGTTCACTAAAGATTGAGCTACACTCACGTTCCGGCCACTGGC  
AGAGCATCGACTTCAAGCAAGTGTACACAGCTGGTTTCGCCAGCCACAGAGCAACTGGGAATCGAGAT  
CAACGCCCTTTGATCCCAGCGCACAGACCTGGCTGTACCTCCCTGGGGCCAGGAGCTGAGGGCTGCAT  
CCTTTTCATGGAGCTTCGAGTCTAGAGAACACGAAAAGTCCCGCGGAACCTAGCCCTGGACTGCGATG  
AACACTCGAGTGAGTCCGCTGCTGCCGATATCCTCTCACAGTGGACTTTGAGGCTTTTGCTGGGACTG  
GATCATCGCACCTAAGCGCTACAAGGCCAACTACTGCTCCGGCCAGTGCGAATACATGTTTCATGAAAAAG  
TATCCACACACCCACTTGGTGAACAGGCCAACCAAGAGGCTCTGCTGGGCCCTGCTGCACCCCTACCA  
AGATGTCCCAATCAACATGCTCTACTTCAATGACAAGCAGCAGATTATCTACGGCAAGATCCCTGGCAT  
GGTGGTGGATCGATGTGGCTGCTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja3084_d01.zip">https://cdn.origene.com/chromatograms/ja3084_d01.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_010272
<b>Insert Size:</b>	1218 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_010272.1</a> , <a href="#">NP_034402.1</a>
<b>RefSeq Size:</b>	1811 bp
<b>RefSeq ORF:</b>	1218 bp
<b>Locus ID:</b>	14561
<b>UniProt ID:</b>	<a href="#">Q9Z1W4</a>
<b>Cytogenetics:</b>	10 D3
<b>Gene Summary:</b>	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein plays a role in the development of the nervous and other organ systems, and may regulate aging. Mice lacking a functional copy of this gene exhibit impaired anteroposterior patterning and other developmental defects. [provided by RefSeq, Aug 2016]