

Product datasheet for **MC202978**

Gdf1 (NM_008107) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gdf1 (NM_008107) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gdf1
Synonyms: AI385651; Gdf-1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC079555
GACAGCCAAGCCCTGCAAAGCCGAGAAGCCACTGAGGAATGGCCTGGTGAAGACAAGCTCTTCTGAGTC
TCTTGTCCCTCAACTTCAGCCATCCAGGAGTCTATCCCATCCTACCTGGGATACTGACTCCGCCCTGGAG
ACTCGACCAGTCCCTGGAGGTCTGCTCCACCCCTGGAGGCCCGTCCCGCCTTTGGCGCATGGCCTC
GCCCTAGGACAATAGCCCCGCCCTAAGATTTCAGGATGCTACCCTTCTCCAGGGACTCTGGCTGCCAGCA
GCTCCGCCTTTCAGATCAATTCTCGACCACCCACTTGGGACTGCCGCCAGTCTGCCCTCTGGATCAG
TGGGGTCCAGACACGCCCTCCAGGACCTCAAAGCACCCCGACCTAAGGTACCAGCCACTGGCCCC
AGACGCAGTGGGCTCCGCTGACTCTCTTGGACACCTCCTGGGAGGAAAATGCTCCCTGTCTGCCATCGTT
TTTGGACACCTCCTCCTCTGCTCTTGGCTGCCCTCGACGACCTGGCCCCGCGCCAGCATCCATGGG
CCCCGTGCCGCCCTGCTCCAGTTCTTGGCTTCCCGAAGCGCCCGGAGCGTCCCCACACACCCGACCT
GTGCCCTCTGTATGTGGCGCCTATTCCGTCGCCGCGACCCCGAGGAGCCAGAGTGGGACGCCCTCTGC
GGCCATGCCACGTGGAGGAACTAGGGGTGCGCCGAAACATTGTGCGCCACATCCCGACAGCGGTCTGTC
CTCCAGGCCCGCACAAACCCGCCAGGACCTCGGGGCTGTGCCCGAGTGGACAGTCGTCTTTGACCTGTCCG
AATGTGGAGCCCACAGAGCGCCAAACACGCGCGCCTTAGAGTTGCGGCTGGAGGCTGAGAGTGAAGATA
CAGGGGGTGGGAGCTAAGCGTGGCACTGTGGCCGACGAGAGCATCCAGGGCTGAGCTGCTGCGCGT
GCCGGCGCCACCAGGGGTGCTCCTGCGCGAGACCTACTGGGACTGCAGTAGCCGCAACGCATCAGTG
CCCTGTACTGTGCGCCTGGCGTGTCACTGCACCTGGGGCCACTGCAGCCTGTGGGCGCCTGGCTGAGG
CCTCCCTGCTGCTGGTGACGCTGGACCCACGCTGTGTCCCTTGCCGCGATTGCCGCGCCACACGGAGCC
CAGGGTAGAAGTTGGTCCAGTGGCACTTGTGTAACCCGACGTTGCATGTGAGCTTCCGTGAGGTGGG
TGGCACCGTTGGGTGATCGCGCCCGTGGCTTCCTAGCCAACCTTCTGCCAGGGCACGTGCCGCACTACCCG
AAACGCTGAGGGGACCCGCGGGCCGCTGCACTCAACACGCTGTGCTGCGCGCCTCATGCACGACG
TGCTCCCACCCGGGTGCAAGGCTCGCCCTGCTGCGTGCCAGAGCGTCTATCACCCATCTCCGTGCTCTTC
TTCGACAATAGTGACAACGTGGTCTGCGACACTACGAAGACATGGTGGTGGATGAGTGTGGCTGCCGTT
GACCACCCGGGACACCCCTTTCAGGGACCGCCACGAAAAGCAGGGACTGTTTGTTCATGTTTTATTGG
TGACAAAAAGCTTAAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI



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ACCN:	NM_008107
Insert Size:	1074 bp
OTI Disclaimer:	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).
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.
RefSeq:	BC079555 , AAH79555
RefSeq Size:	1652 bp
RefSeq ORF:	1074 bp
Locus ID:	14559
UniProt ID:	P20863
Cytogenetics:	8 B3.3
Gene Summary:	<p>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 is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. This protein is translated from a monocistronic mRNA early in development, and from a bicistronic mRNA in later stages that also encodes ceramide synthase 1. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR without a bicistronic structure, compared to variant 1. This variant is expressed at embryonic stage E8.5 to E9.5.</p>