

Product datasheet for MR218596

Gdf1 (NM_008107) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf1 (NM_008107) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gdf1
Synonyms:	A1385651; Gdf-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218596 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCCTGCTGCCATCGTTTTTGGACCACCTCCTCCTCTGCTCTTGCTGCCCTCGACGACCCTGG
CCCCGCGCCAGCATCCATGGGCCCCGTGCCGCCCTGCTCCAGGTTCTTGGGCTTCCGAAGCGCCCCG
GAGCGTCCCACACACCGACCTGTGCCTCTGTCATGTGGCGCTATTCCGTCGCCGCGACCCCCAGGAG
GCCAGAGTGGGACGCCCTCTGCGGCCATGCCACGTGGAGAACTAGGGGTCGCCGAAACATTGTGCGCC
ACATCCCCGACAGCGGTCTGTCTCCAGGCCCGCACACCCGCCAGGACCTCGGGGCTGTGCCCCGAGTG
GACAGTCGCTTTGACCTGTGCAATGTGGAGCCCACAGAGCGCCAACACGCGCGCGCTTAGAGTTGCGG
CTGGAGGCTGAGAGTGAAGATACAGGGGGTGGGAGCTAAGCGTGGCACTGTGGGCCGACGAGAGCATC
CAGGGCCTGAGCTGCTGCGCGTGCAGGCCACCAGGGGTGCTCCTGCGCGCAGACCTACTGGGGACTGC
AGTAGCCGCAACGCATCAGTGCCTGTACTGTGCGCCTGGCGCTGCTACTGCACCCTGGGGCCACTGCA
GCCTGTGGGCGCCTGGCTGAGGCCTCCCTGCTGCTGGTACGCTGGACCCAGCCTGTGTCCCTTGCCGC
GATTGCGGCGCCACCGAGCCCAGGGTAGAAGTTGGTCCAGTGGCACTTGTGTAACCGACGGTTGCA
TGTGAGCTTCCGTGAGGTGGGCTGGCACGTTGGGTGATCGCGCCGCGTGGCTTCTAGCCAACCTCTGC
CAGGGCACGTGCCACTACCCGAAACGCTGAGGGGACCCGGCGGCCCTGCACCTCAACCACGCTGTGC
TGGCGCGCTCATGCACGAGCTGCTCCACCCGGGTGACGGCTCGCCCTGCTGCGTGCCAGAGCGTCT
ATCACCCATCTCCGTGCTCTTCTTCGACAATAGTGACAACGTGGTCTGCGACACTACGAAGACATGGTG
GTGGATGAGTGTGGCTGCCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_008107.4](#), [NP_032133.2](#)

RefSeq Size: 1419 bp

RefSeq ORF: 1074 bp

Locus ID: 14559

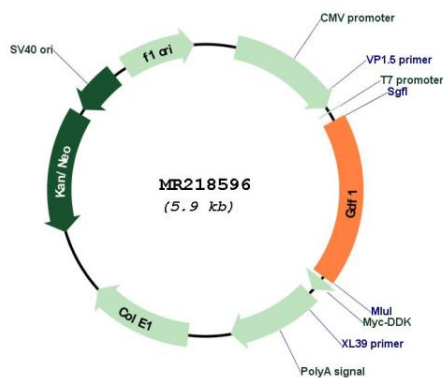
UniProt ID: [P20863](#)

Cytogenetics: 8 B3.3

MW: 38.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR218596