

Product datasheet for **MG205443**

Gdf1 (BC079555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdf1 (BC079555) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gdf1
Synonyms:	UOG-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205443 representing BC079555 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCCTGCTGCCATCGTTTTTGGACCACCTCCTCCTCTGCTCTTGCTGCCCTCGACGACCCTGG
CCCCGCGCCAGCATCCATGGGCCCCGTGCCGCCCTGCTCCAGGTTCTTGGGCTTCCCGAAGCGCCCCG
GAGCGTCCCACACACCGACCTGTGCCTCCTGTCATGTGGCGCCTATTCCGTCGCCGCGACCCCCAGGAG
GCCAGAGTGGGACGCCCTCTGCGGCCATGCCACGTGGAGGAACTAGGGGTCGCCGAAACATTGTGCGCC
ACATCCCCGACAGCGGTCTGTCTCCAGGCCCGCACACCCGCCAGGACCTCGGGGCTGTGCCCCGAGTG
GACAGTCGTCTTTGACCTGTGCAATGTGGAGCCCACAGAGCGCCAACACGCGCGCGCTTAGAGTTGCGG
CTGGAGGCTGAGAGTGAAGATACAGGGGGTGGGAGCTAAGCGTGGCACTGTGGGCCGACGACAGCATC
CAGGGCCTGAGCTGCTGCGCGTGCAGGCCACCAGGGGTGCTCCTGCGCGCAGACCTACTGGGGACTGC
AGTAGCCGCCAACGCATCAGTGCCTGTACTGTGCGCCTGGCGCTGCTACTGCACCCTGGGGCCACTGCA
GCCTGTGGGGCCTGGCTGAGGCCTCCCTGCTGCTGGTACGCTGGACCCACGCCTGTGTCCCTTGCCGC
GATTGCGCGCCACCGAGCCCAGGGTAGAAGTTGGTCCAGTGGGCACTGTGCGTACCCGACGGTTGCA
TGTGAGCTTCCGTGAGGTGGGCTGGCACCGTTGGGTGATCGCGCCGCGTGGCTTCTAGCCAACCTCTGC
CAGGGCACGTGCCACTACCCGAAACGCTGAGGGGACCCGGCGGGCCCTGCACTCAACCACGCTGTGC
TGGCGCGCTCATGCACGCAGCTGCTCCACCCCGGGTGCAGGCTCGCCCTGCTGCGTGCCAGCGTCT
ATCACCCATCTCCGTGCTCTTCTCGACAATAGTGACAACGTGGTCTGCGACACTACGAAGACATGGTG
GTGGATGAGTGTGGCTGCCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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: [BC079555](#), [AAH79555](#)

RefSeq Size: 1652 bp

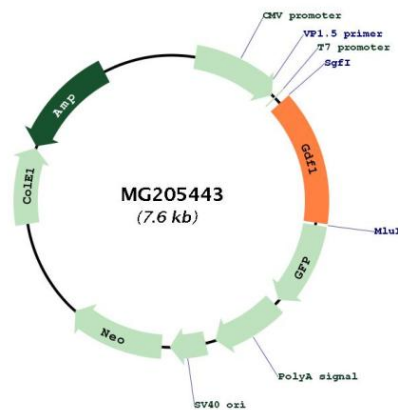
RefSeq ORF: 1073 bp

Locus ID: 14559

Cytogenetics: 8 B3.3

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 MG205443