

Product datasheet for **SC303556**

GDF10 (NM_004962) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDF10 (NM_004962) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDF10
Synonyms:	BIP; BMP-3b; BMP3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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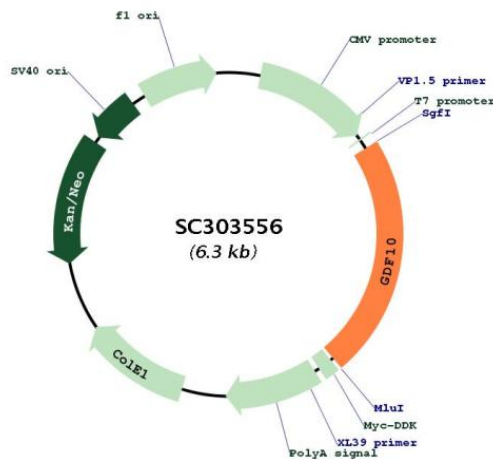
Fully Sequenced ORF: >SC303556 representing NM_004962.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTCATGTCCCGCTCGGACCGCCGGGACCCGGGCCAGCTGCTGCTGCTGCTGCCGTTG
TTTCTGCTGTTGCTCCGGGATGTGGCCGGCAGCCACAGGGCCCCGCCTGGTCCGCACTGCCCGCGGC
GCCGACGGCTGCAGGGGACAGGGATCTCCAGCGGCACCCTGGGACCGCGGCCACGTTGGGCCCC
AGCGCCCAGGACATGGTCGCTGTCCACATGCACAGGCTCTATGAGAAGTACAGCCGGCAGGGCGCGCG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_004962

Insert Size: 1437 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_004962.4</u>
RefSeq Size:	2671 bp
RefSeq ORF:	1437 bp
Locus ID:	2662
UniProt ID:	<u>P55107</u>
Cytogenetics:	10q11.22
Protein Families:	Druggable Genome, Secreted Protein
MW:	53.1 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 promotes neural repair after stroke. Additionally, this protein may act as a tumor suppressor and reduced expression of this gene is associated with oral cancer. [provided by RefSeq, Jul 2016]