

Product datasheet for **MR227888**

Pgf (NM_001271705) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pgf (NM_001271705) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pgf
Synonyms: AI854365; PIGF; Plgf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227888 representing NM_001271705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAAGCTGGGTACATCTTGGATGAATACCTGATGAGGTGTCTCACATATTCAGTCCGTCCTGTG
TCCTTCTGAGTCGCTGTAGTGGCTGCTGTGGTATGAAGGTCTGCACTGTGTCCGATAAAGACAGCCAA
CATCACTATGCAGATCTTGAAGATCCCCCAATCGGGATCCACATTTCTATGTGGAGATGACATTTTCT
CAGGATGTGCTCTGTGAATGCAGACCTATTCTGGAGACGACAAAGGCAGAAAGGAGGAAAACCAAGGGGA
AGAGGAAGAGGAGTAGAACTCACAGACTGAGGAACCCACCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227888 representing NM_001271705
Red=Cloning site Green=Tags(s)

MEKLVYILDEYPDEVSHIFSPSCVLLSRCGCGDEGLHCVPKIKTANITMQILKIPNDRPHFYVEMTFSS
QDVLCECRPILETTKAERRKTKGKRKRSRNSQTEEPHP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

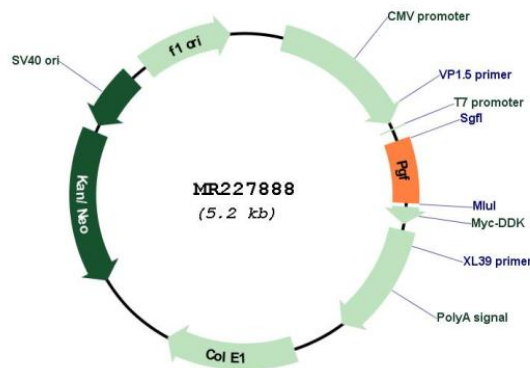


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001271705

ORF Size: 324 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001271705.1</u> , <u>NP_001258634.1</u>
RefSeq Size:	1266 bp
RefSeq ORF:	327 bp
Locus ID:	18654
Cytogenetics:	12 39.58 cM
MW:	12.9 kDa
Gene Summary:	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Also promotes cell tumor growth (By similarity).[UniProtKB/Swiss-Prot Function]