

Product datasheet for MR201205

Pgf (NM_008827) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pgf (NM_008827) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pgf
Synonyms: AI854365; PIGF; Plgf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201205 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCTGGTCATGAAGCTGTTCACTTGCTTCTTACAGGTCCTAGCTGGGTTGGCTGTGCATTCCCAGGGGG
 CCCTGTCTGTGGGAACAACCAACAGAAAGTGGAAAGTGGTGCCTTTCAACGAAGTGTGGGGTCGCAGCTA
 CTGTGCGCCCATGGAGAAGCTGGTGTACATCTTGGATGAATACCCTGATGAGGTGTCTCACATATTCAGT
 CCGTCCTGTGTCCTTCTGAGTCGCTGTAGTGGCTGCTGTGGTGTGAAGGCTGCACTGTGTGCCGATAA
 AGACAGCCAACATCACTATGCAGATCTTGAAGATCCCCCAATCGGGATCCACATTTCTATGTGGAGAT
 GACATTTTCTCAGGATGTGCTCTGTGAATGCAGACCTATTCTGGAGACGACAAAGGCAGAAAGGAGGAAA
 ACCAAGGGGAAGAGGAAGAGGAGTAGAACTCACAGACTGAGGAACCCACCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201205 protein sequence
 Red=Cloning site Green=Tags(s)

MLVMKLFTCFLQVLAGLAVHSQGALSAGNNSTEVEVVPFNEVWGRSYCRPMEKLVYILDEYPDEVSHIFS
 PSCVLLSRCSGCCGDEGLHCVPIKTANITMQILKIPPNRDPHFYVEMTFSDVLCCECRPILETTKAERRK
 TKGKRKRSRNSQTEEPHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_008827

ORF Size: 477 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:
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_008827.3](#)

RefSeq Size: 1599 bp

RefSeq ORF: 477 bp

Locus ID: 18654

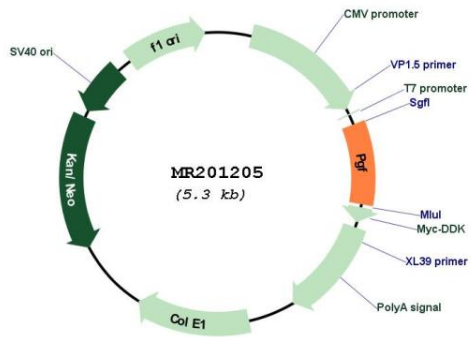
UniProt ID: [P49764](#)

Cytogenetics: 12 39.58 cM

MW: 17.9 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]

Product images:



Circular map for MR201205