

Product datasheet for MG216187

Gp9 (NM_018762) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gp9 (NM_018762) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gp9
Synonyms: Cd42; GPIX
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216187 representing NM_018762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACTACCTGGGGCCTCCTGTTTCTGCTCTGGCCTGCGACCACAGATACTCAGGCTTGCCCCAGGCCCT
 GTACCTGCCAGTCCTTGAAACCATGGGGTTAAAGGTGAAGTGTGAGGGGCAAGGCCTCACAGCCCTGCC
 CGTGATACCAGCGCACACTCGCCAGCTCCTGCTGGCCAAATAGCCTGCGTTGAGTCCACCAGGTGCC
 TTCGACCACTTGCTCAGCTGTGGGACCTGGATGTGACACACAACCCCTGGCACTGTGACTGCAGCCTCA
 CCTACCTGCGCCTCTGGCTGGAGGACCACATGCCCGAGGCCCTAATGCATGTGTACTGTGCCAGCCCTGA
 CTTGGCCACCAGGCGCCCGCTGGCCAGCTGACAGGTTATGAGCTGGGCAGCTGTGGCTGGAAGCTGCCA
 CCATCCTGGGCTATCCAGGGGTGTGGTGGGATGTGTCACTAGTGGCTGTGGCTGTGCTGGGCTGATTC
 TGCTGGCTGGTCTATTGAACACATTTACAGAGTCCAGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216187 representing NM_018762
 Red=Cloning site Green=Tags(s)

MTTWGLLFLLWPATTDQACPRPCTCQSLETMGLKVNCEGQGLTALPVIPAHTRQLLLANNLSRVPPGA
 FDHLPQLWDLVTHNPWHDCSLTYLRLWLEDHMPALMHVYCASPDLATRRPLGQLTGVELGSCGWKLP
 PSWAYPGVWWDVSLVAVAVLGLILLAGLLNTFTESRN

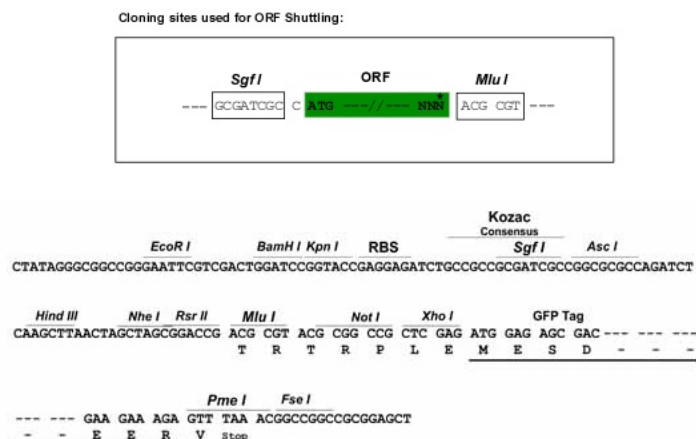
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

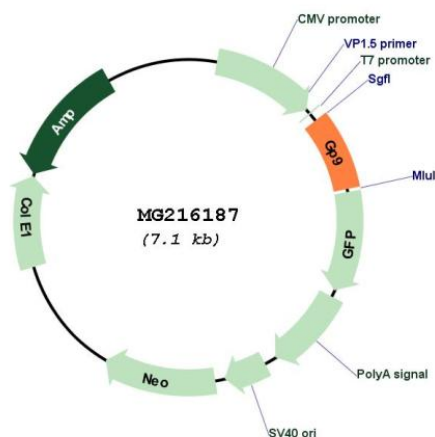


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Cloning Scheme:



Plasmid Map:



ACCN: NM_018762

ORF Size: 531 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_018762.2</u>
RefSeq Size:	811 bp
RefSeq ORF:	534 bp
Locus ID:	54368
UniProt ID:	<u>O88186</u>
Cytogenetics:	6 39.13 cM
Gene Summary:	The GPIIb-V-IX complex functions as the vWF receptor and mediates vWF-dependent platelet adhesion to blood vessels. The adhesion of platelets to injured vascular surfaces in the arterial circulation is a critical initiating event in hemostasis. GP-IX may provide for membrane insertion and orientation of GP-Ib (By similarity).[UniProtKB/Swiss-Prot Function]