

## Product datasheet for **MG227360**

### Gp6 (NM\_001163014) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Gp6 (NM_001163014) Mouse Tagged ORF Clone                                      |
| Tag:                      | TurboGFP   |
| Symbol:                   | Gp6  |
| Synonyms:                 | 9830166G18Rik; Gm469; Gpvi   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG227360 representing NM_001163014<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCCAGCCTCACCCACTTCTTCTGTATTGGGCTGTGTGTACTGCAAGTGATCCAAACACAGAGTG  
GCCCACTCCCAAGCCTTCCCTCAGGCTCAGCCAGTCCCTGGTACCCCTGGGTCAGTCAGTTATTCT  
GAGGTGCCAGGGACCTCCAGATGTGGATTTATATCGCTGGAGAACTGAAACCGGAGAAGTATGAAGT  
CAAGACTTCTCTTCAATCCAACCATGGAAGAAGTAATGCTGGACGGTATCGATGCTCTTATCAGAATG  
GGAGTCACTGGTCTCTCCAAGTGACCAGCTTGAGCTAATTGCTACAGGTGTGTATGCTAAACCCTCACT  
CTCAGCTCATCCAGCTCAGCAGTCCCTCAAGGCAGGGATGTGACTCTGAAGTGCCAGAGCCCATACAGT  
TTTGATGAATTCGTTCTATACAAAGAAGGGGATACTGGGCCTTATAAGAGACCTGAGAAATGGTACCGGG  
CCAATTTCCCATCATCACAGTGACTGTGCTCACAGTGGGACGTACCGGTGTTACAGCTTCTCCAGCTC  
ATCTCCATACCTGTGGTCAGCCCCGAGTGACCCCTAGTGCTTGTGGTACTGGACTCTCTGCCACTCCC  
AGCCAGGTACCCACGGAAGAATCATTTCTGTGACAGAATCCTCCAGGAGACCTTCCATCTTACCCACAA  
ACAAAAATCTACAACGAAAAGCCTATGAATATCACTGCCTCTCCAGAGGGGCTGAGCCCTCCAATTGG  
TTTTGCTCATCAGCACTATGCCAAGGGGAATCTGGTCCGGATATGCCTTGGTGCCACGATTATAAATTT  
TTGTTGGGCTTCTAGCAGAGGATTGGCACAGTCGGAAGAAATGCCTGCAACACAGGATGAGAGCTTTGC  
AAAGGCCACTACCACCCCTCCACTGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227360 representing NM\_001163014  
 Red=Cloning site Green=Tags(s)

MSPASPTFFFCIGLCVLQVIQTQSGPLPKPSLQAQPSSLVPLGQSVILRCQGPDPVDLYRLEKLKPEKYED  
 QDFLFIPTMERSNAGRYRCSYQNGSHWLSLPSDQLELIATGVYAKPSLSAHPSSAVPQGRDVTLKQSPYS  
 FDEFVL YKEGDTGPYKRPEKWYRANFP IITVTAHSGTYRCYSFSSSSPYLWSAPSDPLVLVVTGLSATP  
 SQVPTEESFPVTESSRRPSILPTNKISTTEKPMNITASPEGLSPPIGFAHQHYAKGNLVRICLGATIIII  
 LLGLLAEDWHSRKKCLQHRMRALQRPLPPLPLA

TRTRPLE - GFP Tag - V

**Restriction Sites:**

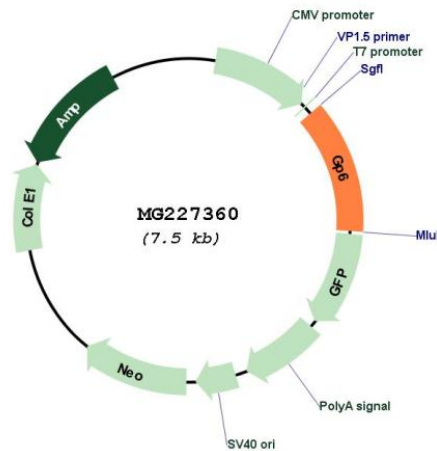
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001163014

**ORF Size:** 939 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001163014.1</a> , <a href="#">NP_001156486.1</a>   |
| <b>RefSeq Size:</b>           | 1152 bp   |
| <b>RefSeq ORF:</b>            | 942 bp  |
| <b>Locus ID:</b>              | 243816  |
| <b>UniProt ID:</b>            | <a href="#">P0C191</a>  |
| <b>Cytogenetics:</b>          | 7 A1  |
| <b>Gene Summary:</b>          | Collagen receptor involved in collagen-induced platelet adhesion and activation (PubMed:16139873, PubMed:24368846). Plays a key role in platelet procoagulant activity and subsequent thrombin and fibrin formation. This procoagulant function may contribute to arterial and venous thrombus formation. The signaling pathway involves the FcR gamma-chain, the Src kinases (likely FYN or LYN) and SYK, the adapter protein LAT and leads to the activation of PLCG2.[UniProtKB/Swiss-Prot Function]                 |