

## Product datasheet for **MG205186**

### Apoh (NM\_013475) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoh (NM\_013475) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Apoh  
**Synonyms:** B2GPI; beta-2-GPI; beta2-GPI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205186 representing NM\_013475  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTTTCCCGGTGCTCGCCTTGTCTCCGCCTTCTCTGCCATGTTGCTATTGCAGGACGGATCTGTC  
 CGAAGCCGGATGACCTACCATTGCTACGGTTGTCCCCTAAAGACATCCTACGACCTGGGGAGCAGAT  
 TGTCTACTCCTGCAAGCCAGGCTACGTGTCCAGGGGAGGGATGAGACGGTTTACCTGTCTCTCACAGGA  
 ATGTGGCCATCAACACCCTGAGATGTGTCCCCAGAGTATGTCTTTCGCTGGAATCTTAGAAAAATGGAA  
 TTGTACGCTACACGAGTTTTGAATATCCCAAGAACATCAGTTTTGCTTGTAAACCCTGGGTTTTTCTGAA  
 TGGGACCAGCTCATCTAAGTGCACGGAGGAAGGAAAATGGAGCCAGATATTCTGCTTGTGCTCGCATC  
 ACCTGCCCGCCACCACCGATTCCAAAGTTTGAAGTTTGAAGTATAGGCCTTCAAGTGGAAACAACT  
 CTTTGTATCAGGACACAGTGGTCTTTAAATGCTTGCCACACTTTGCCATGATCGGAAATGACACAGTCAT  
 GTGCACAGAACAAGGAACTGGACCCGATTGCCAGAATGCCTGGAAGTAAATGTCCCTCCCTCCGAGG  
 CCAGAAAATGGGTATGTGAATTATCCTGCAAAGCCGGTGTCTTCTATAAAGGATAAAGCCACATTTGGTT  
 GCCATGAGACATAAAGCTGGACGGCCAGAAGAAGCGGAATGTACCAAGACGGAACTTGGTCTTCTT  
 GCCGACCTGTAGAGAGTCTTGAACCTCCCGTTAAGAAAAGCCACCGTGTGTACCAAGGGATGAGGGTG  
 AAGATCCAGGAACAGTTTAAGAATGGGATGATGCATGGCGACAAAATTCACCTTCTACTGCAAAAACAAAG  
 AGAAGAAGTGCAGCTACACTGTGGAGGCTATTGCAGAGATGGCACTATCGAGATTCCCTCGTGTCTCAA  
 GGAGCACAGTTCTCTGGCTTTCTGGAAAACGGATGCATCAGAAGTACACCGTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205186 representing NM\_013475  
 Red=Cloning site Green=Tags(s)

MVSPVLALFSAFLCHVAIAGRICPKPDDLFPATVVPLKTSYDPGEQIVYSCKPGYVSRGMMRRFTCP L TG  
 MWPINTLRCVPRVCPFAGILENGIVRYTSFEYPKNISFACNPGFFLNGTSSSKCTEKGWSPDIPACARI  
 TCPPPPVPKFA LLKDYRPSAGNNSLYQDTVVFKCLPHFAMIGNDTVMCTEQGNWTRLPECLEVKCPFPPR  
 PENGYVNPAPKPVLLYKDKATFGCHETYKLDGPPEAECKTKGTWSFLPTCRESKLPVKKATVLYQGMRV  
 KIQQQFKNGMMHGDKIHFYCKNKEKKCSYTVEAHCRDGTIEIPSCFKEHSSLAFWKTDASELTPC

TRTRPLE - GFP Tag - V

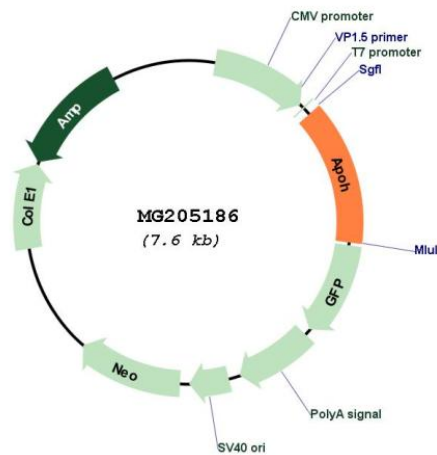
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_013475

**ORF Size:** 1035 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_013475.4</a>   |
| <b>RefSeq Size:</b>           | 1165 bp   |
| <b>RefSeq ORF:</b>            | 1038 bp   |
| <b>Locus ID:</b>              | 11818   |
| <b>UniProt ID:</b>            | <a href="#">Q01339</a>  |
| <b>Cytogenetics:</b>          | 11 71.8 cM  |
| <b>Gene Summary:</b>          | Binds to various kinds of negatively charged substances such as heparin, phospholipids, and dextran sulfate. May prevent activation of the intrinsic blood coagulation cascade by binding to phospholipids on the surface of damaged cells.[UniProtKB/Swiss-Prot Function]  |