

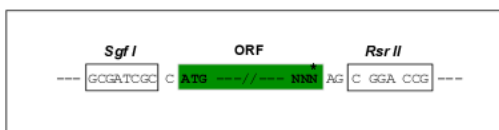
## Product datasheet for MG211153

### Ano6 (NM\_175344) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                                       |
| Product Name:             | Ano6 (NM_175344) Mouse Tagged ORF Clone                   |
| Tag:                      | TurboGFP  |
| Symbol:                   | Ano6  |
| Synonyms:                 | 2900059G15Rik; AA407480; AW554778; F730003B03Rik; Tmem16f |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                    |
| Restriction Sites:        | SgfI-RsrII  |
| Cloning Scheme:           |   |

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI  
 CTATAGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCCAGATCT  
 HindIII NheI RsrII MluI NotI XhoI GFP Tag  
 CAAGCTTAAGCTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---  
 T R T R P L E M E S D - - -  
 PmeI FseI  
 --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT  
 - - E E R V Stop

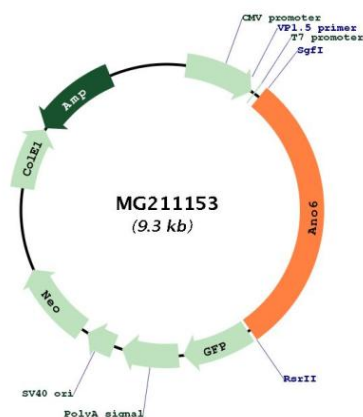
|           |           |
|-----------|-----------|
| ACCN:     | NM_175344 |
| ORF Size: | 2733 bp   |



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|                               |  |
|-------------------------------|--|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.   |
| <b>RefSeq:</b>                | <a href="#">NM_175344.4</a>  |
| <b>RefSeq Size:</b>           | 4950 bp  |
| <b>RefSeq ORF:</b>            | 2736 bp  |
| <b>Locus ID:</b>              | 105722   |
| <b>UniProt ID:</b>            | <a href="#">Q6P9J9</a>   |
| <b>Cytogenetics:</b>          | 15 E3-F1   |
| <b>Gene Summary:</b>          | <p>Small-conductance calcium-activated nonselective cation (SCAN) channel which acts as a regulator of phospholipid scrambling in platelets, osteoblasts and fetal thymocytes. Phospholipid scrambling results in surface exposure of phosphatidylserine which in platelets is essential to trigger the clotting system whereas in osteoblasts is essential for the deposition of hydroxyapatite during bone mineralization. Has calcium-dependent phospholipid scramblase activity; scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide. Can generate outwardly rectifying chloride channel currents in airway epithelial cells and Jurkat T lymphocytes.[UniProtKB/Swiss-Prot Function]</p> |

## Product images:



Circular map for MG211153