

## Product datasheet for **RG235051**

### **ANO6 (NM\_001204803) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ANO6 (NM_001204803) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANO6
Synonyms:	BDPLT7; SCTS; TMEM16F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

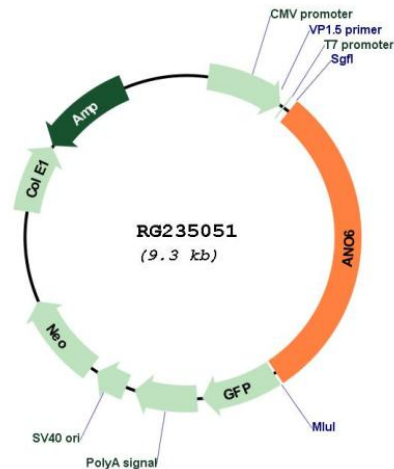
>RG235051 representing NM\_001204803  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAAAGATGAGCAGGAATGTTTTGCTACAAATGGAGGAGGAGGAGGACGACGACGATGGGGATATCG  
 GTGATGTTCTGCCTCCAGGAGGCCTTTTCTGACTCCTCATACTCACCTCCCATCCAGCCTGGTGTGGGA  
 AACCTTGGACAGACAATTGTCCCCGATTTGGGATCACTGAAAGTCAGCATGATTTTTCGAACCCCGGAG  
 TTTGAAGAATTTAATGGAAAACCTGACTCCCTCTTTTTAATGATGGCCAGCAAGAATTGACTTTGTTC  
 TAGTATATGAGGATGAAAGCAGAAAAGAGACCAATAAAAAAGGTACAAATGAAAAACAAAGGAGGAAAAAG  
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 GATCCAGAGAGAAAAATACCTAACCCAAAAGCTTCTTCATGAGAATCACCTCAAAGATATGACGAAAAAT  
 ATGGGGGTGATAGCTGAGCGGATGATAGAAGCAGTAGATAACAATTTACGGCCAAAATCAGAA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA



**Plasmid Map:**


**ACCN:** NM\_001204803

**ORF Size:** 2793 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\\_001204803.2](#)

**RefSeq Size:** 6196 bp

**RefSeq ORF:** 2796 bp

**Locus ID:** 196527

**UniProt ID:** [Q4KMQ2](#)

**Cytogenetics:** 12q12

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a multi-pass transmembrane protein that belongs to the anoctamin family. This protein is an essential component for the calcium-dependent exposure of phosphatidylserine on the cell surface. The scrambling of phospholipid occurs in various biological systems, such as when blood platelets are activated, they expose phosphatidylserine to trigger the clotting system. Mutations in this gene are associated with Scott syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]