

Product datasheet for **RG226661**

ANO6 (NM_001142679) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ANO6 (NM_001142679) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>RG226661 representing NM_001142679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAAGATGAGCAGGAATGTTTTGCTACAAATGGAGGAGGAGGAGGACGACGACGATGGGGATATCG
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 TTCCTTACTTTCTTTGGGCCAACTCCGTGTTTTTCTGTATCGAATTTCTTAAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226661 representing NM_001142679
Red=Cloning site Green=Tags(s)

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MKKMSRNVLQMEEEEDDDGDIVLENLGQTI VPD LGSLESQHDFRTPEFEFENGKPD SLFFNDGQRRID
FVLVYEDES RKETNKKGTNEKQRRKRQAYESNLICHGLQLEATRSVLD DKL VFKVHAPWEVLC TYAEIM
HIKLP LKPNLKNRSSAFGLNWF TKVLSVDES I IKPEQEFFTAPFEKRMNDFYIVDRDAFFNPATRSR
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TRTRPLE – GFP Tag – V

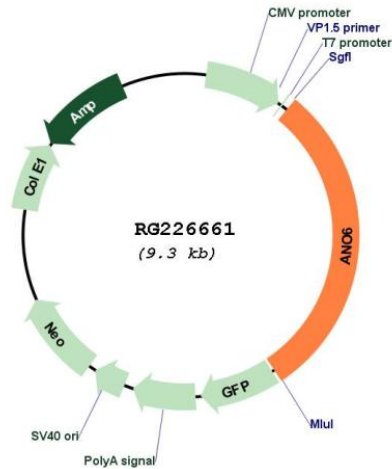
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001142679

ORF Size: 2787 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_001142679.2](#)

RefSeq Size: 3591 bp

RefSeq ORF: 2790 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]