

## Product datasheet for **RG202325**

### **ORAI3 (NM\_152288) Human Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: ORAI3 (NM\_152288) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: ORAI3  
 Synonyms: TMEM142C  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >RG202325 representing NM\_152288  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGGGCGGCGAGGGGACGCGGGCGAGCAGGCCCGCTGAACCTGAGGGCGAGAGCCCTGCAGGCT  
 CGGCCACGTACCGGGAGTTCGTGCACCGCGGCTACCTGGACCTCATGGGGCCAGTCAGCACTCGCTGCG  
 GCGCTCAGCTGGCGCCGCTCTACCTCAGCCGGGCAAGCTCAAAGCTCCAGCCGCACGTCTGCCTTG  
 CTCTCGGGCTTCGCCATGGTGGCCATGGTGGAGTGCAGCTGGAGAGTGACCACGAGTACCACAGGCC  
 TGCTGGTGGCCTTCAGTGCCTGCACCACGTGCTGGTGGCTGTGCACCTTTTGCCTCATGGTCTCCAC  
 TGCTGTGCTGCCACATTGAAGCTGTGAGCAACATCCACAACCTCAACTCTGTCCACCAGTCGCCACAC  
 CAGAGACTGCACCGCTACGTGGAGCTGGCCTGGGGCTTCCACTGCCCTGGGCACCTTTCTCTTCTTG  
 CTGAAGTTGTCCTGGTTGGTTGGGTCAAGTTTGTGCCATTGGGGCTCCCTTGGACACACCGACCCCAT  
 GGTGCCACATCCCGGGTCCCGGGACTCTGGCACCAGTGGTACCTCCCTTAGTCCAGCTTCCAATCTC  
 CCACGGTCTCTGCGTCTGCAGCACCGTCCCAGGCTGAGCCAGCCTGCCACCCCGGCAAGCCTGTGGT  
 GTGGTGGGGCCATGGGCCAGGCTGGCAAGCAGCCATGGCCTCCACAGCCATCATGGTACCCGTGGGGCT  
 CGTGTGGTGGCCTTTGCCCTGCATTTCTACCGCTCCTGGTGGCACACAAGACAGACCGCTACAAGCAG  
 GAACTAGAGGAAGTGAATCGCCTGCAGGGGAGCTGCAGGCTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202325 representing NM\_152288  
 Red=Cloning site Green=Tags(s)

MKGGEGDAGEQAPLNPEGESPAGSATYREFVHRGYLDLMGASQHSRLRALSWRRLYLSRAKLKASSRTSAL  
 LSGFAMVAMVEVQLESDHEYPPGLLVAFSACTTVLVAVHLFALMVSTCLLPHIEAVSNIHNLNSVHQSPH  
 QRLHRYVELAWGFSTALGTFLFLAEVVLVGWVKFVPIGAPLDTPTMPVPTSRVPGTLAPVATSLSPASNL  
 PRSSASAAPSQAEPACPPRQACGGGGAHGPWQAAMASTAIMVPVGLVFVAFALHFYRSLVAHKTDRYKQ  
 ELEELNRLQGELQAV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152288

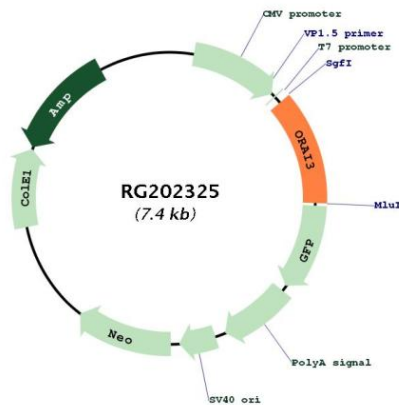
**ORF Size:** 885 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>	<u><a href="#">NM_152288.2</a></u>
<b>RefSeq Size:</b>	2239 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	93129
<b>UniProt ID:</b>	<u><a href="#">Q9BRQ5</a></u>
<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Key regulator or component of store-operated Ca(2+) channel and transcription factor NFAT nuclear import.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RG202325