

Product datasheet for **RN203488**

Orai3 (NM_001014024) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Orai3 (NM_001014024) Rat Untagged Clone
Tag: Tag Free
Symbol: Orai3
Synonyms: RGD1306538
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203488 representing NM_001014024
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGAAGGGCGGCGAGGGGACACGGGCGAACAGGCCCCCTGAACCCGGAGGTGGACAGCCCCGCGGGCT
CAGCCACGTACCGGGAGTTCGTGCACCGCGGCTACCTCGACCTTATGGGGCCAGTCAGCACTCTCTGCG
GGCGCTCAGCTGGCGCCGCTCTACCTCAGCCGGGCTAAGCTCAAAGCCTCCAGTCGCACCTCTGTCTCTG
CTGTCCGGCTTCGCCATGGTGGCAATGGTGGAGGTACAGCTGGAGAGCGATCATGAATACCCACAGGCC
TGCTAGTGGCATTAGTGCCTGCACCACTGTGTTAGTAGCTGTGCACCTGTTTGCACTCATGGTCTCCAC
ATGTCTGTGCCCATATTGAAGCCGTGAGCAACATCCACAATCTCAACTCTGTCCACCACTCACCACAC
CAACGACTCCACCGATATGTGGAGCTGGCTGGGGCTTTTCTACTGCTTTGGGCACCTTTCTCTTCTGG
CTGAAGTTGTTTTGGTGGGCTGGGTCAAGTTTGTGCCATTGGGGCACCCATGGACAAACCAGCTCCTGT
GGTACCTATGTCCAGGTGCCACCGTCACTGTCTCCCTAGTTTAGCTTCTAACCTCACACCATCATCT
GCTTCTGTAGCCACAACACAGCAGCTCCCAAAGCCTGTCCACCTCGGCAAGTGTGTGGTAGTGCATG
GACCTGGCTGGCAGGAGCTATGGCTCCACGGCAATCATGGTACCTGTGGGACTAGTGTATATGGCCTT
TGCCCTACATTTCTACCGATCCTTGGTGGCCACAAGACAGACCCGCCACAAGCAGGAAGTGGAGGAACCT
AGTCGCCTGCAGGGGAGCTGCAGGCTGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014024
Insert Size: 873 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <ol style="list-style-type: none">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: | <u>NM_001014024.1</u> , <u>NP_001014046.1</u> |
| RefSeq Size: | 1851 bp |
| RefSeq ORF: | 873 bp |
| Locus ID: | 309000 |
| UniProt ID: | <u>Q6AXR8</u> |
| Cytogenetics: | 1q37 |
| Gene Summary: | Key regulator or component of store-operated Ca(2+) channel and transcription factor NFAT nuclear import.[UniProtKB/Swiss-Prot Function] |