

Product datasheet for **RN212665**

Prok1 (NM_138851) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prok1 (NM_138851) Rat Untagged Clone
Tag: Tag Free
Symbol: Prok1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212665 representing NM_138851

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGAGGTGCTGTGCAAGTCTTCATCATGCTCCTTCTAGCAACTGTCTCTGACTGTGCGGTGATCACAG
GGCCTGTGAACGAGATGCCAGTGTGGGCTGGCACCTGTGTGCTATCAGCCTGTGGCTGCGGGCCT
GAGGCTGTGTACCCCTCTGGGGCGGAAGGAGAGGAGTGCCACCCTGGAAGCCACAAGATCCCTTTCTTT
AGGAAACGCCAACCATACCTGTCCCTGTTACCCAGCCTGCTGTGCTCCAGGTTCCAGATGGCAGGT
ACCGCTGCTCCAGGACTTGAAGAATGTCAACTTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138851

Insert Size: 318 bp

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).



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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_138851.1](#), [NP_620206.1](#)

RefSeq Size: 318 bp

RefSeq ORF: 318 bp

Locus ID: 192205

UniProt ID: [Q8R414](#)

Cytogenetics: 2q34

Gene Summary: may act as an endothelial cell mitogen; may be involved in G-protein coupled receptor signaling via regulation of intracellular calcium [RGD, Feb 2006]