

Product datasheet for **RN210097**

Pot1 (NM_001024322) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pot1 (NM_001024322) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pot1
Synonyms:	Pot1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210097 representing NM_001024322
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTTGGTCCGGTAACTCCCTATACATATACACCCCTGAATCTACTTAAGGAAGTGCAGTTGCCA
 ATGCTATGGTGTGTGAAATCTTTAAGCCTCCATATCTCAGCAAAGGAACTGATTATTGCTCAGTTGT
 AACAAATTGTGGACCCAACAAATGTGAAGTTAACGTGCATGCTCTTTAGTGAAACTATGAAGCCCTCCG
 ATCATTACAAAGTTGGAGACATTGTTCCGCTTCCATAGGCTGAAGATCCAAGTATATAAAAAATGAGCTTC
 AGGGAATCAACAGCTCTGGGTTCCGCTCTTTGACATTTGAAGGAACATTAGGGACACCTGTCACAGCAGC
 TACTTCAAGCAAAGTTTTAGCTTCACTTCTCAGGACCAAAAAATGGTAGAAGCTTTGCGAGTTTGGGCA
 TCCAAGCACATTGCAGCTTCTTCAAGTTTAGTGCAGCTGTGTGACGCTCAGCCCCGCAATATTATGACC
 TGACCTGTGAGCTTCTGGGTAAGCAGAAGTGGATGGAACAGCCTTTCTTCTAAAGGTATGGGACGGAAC
 CAGGACTATGTTCCCTCTGGAGAGTCTCCATACAAAATCTTACCTTTGAAGGTGACTTGAGTCACATT
 CAGCGGCTACAGAGTCTGGTGATAGACATTCTAGTCTATGACAATCATGTTCAAGTGGCAAATCCCTCA
 AGATTGGAAGCTTTATTGAATCTATAGCTCCATACAAAATCTCAGTCTGTTGATTTCAGAAACCAGCAA
 GTCATTGTTAAGGCTGGAGTTTCATCTCCATGGAGGGACAGTTATGGTCGGGGGATTAGGGTTTTGCCA
 GATGAAAGCTCGTGTGTGGATCAGCTGAAAAAGATTTAGAATGTGCAGATTCGGCAGTCACTCAACCTT
 CAAATGGTATCTGTCAATCAAAAAATGAGGATAGCTTTGACTTTCAAGCTCTGCATCAGGCTCAGTATC
 CCTGTATGAGGAAGAACGATGTCAGCAAGTCTTCTACAATACTCACAGATCACCAGCACTTAGAGAAA
 ACTCCATTGTGTGCCGTTTTGAAGCAAAGGCTCCGCAGCAATATCGGGTCCGTGCCAAGCTGAGGTCGT
 ATTTGCCCAGGAGACTTCCCAGTCTGTTAAACTGATCTGTCCGAGTCCATTACTACAAGAAGTTCC
 ACATGAGGACAGTTTGGATAAACTTTTGAAGATGCTGCAACTAAAGCGCCAGACATCAGGCTGCAAGGT
 ACATCTTTGTATGAATCAAAGATCTGGACCACCGAAGGCCAGGGAGGACGGCAGGTCGCTGTTCACTTTG
 TGAAGAAGGATGGTGTCTCCACTTTCAAGTGAATGTCTAATTTTATAGAAGGAGGAAGACTCTGTGA
 AGTGTCCAAGCTGTCCAGCAAGTCCACAGTGTGATCCCTGTGAGGTCCGGCCCTGAGGATCTGGAGCTC
 CTCGACATTTAGCCCCATTCTCATACAGGAAAGCTGCATCACTATGGATGTAACAGTGTTCAGCT
 TGAACCTATACAAAACCTAAATCCCTTCTTAATAAAGGACCATGGATTCCTTCTCCGTGGCAAAGA
 GATGCTGATAGTATCCTTTGGCAACCCAAACCGACAACCAGATCTTTTTGTTAGACTGGAATTTTATA
 AATTCCTGGGCATTGTGCCTCTGCAGTATGTGTTGTTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024322

Insert Size: 1722 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).

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_001024322.1](#), [NP_001019493.1](#)

RefSeq Size: 2730 bp

RefSeq ORF: 1722 bp

Locus ID: 500054

Cytogenetics: 4q22