

Product datasheet for **RN204175**

Sit1 (NM_001024344) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sit1 (NM_001024344) Rat Untagged Clone
Tag: Tag Free
Symbol: Sit1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204175 representing NM_001024344
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGAGAGAACAACCTGTACCACAGCTGATCTAGCATGGGGATTCCCTCCATACCCAGGCGTGGG
GACTGTGGGCCCTCTTTGGGTTGTGACAATGCTGCTTCTCATCTCATTGGCTGCACTCTTGTCCCAGTG
GACCCGTGGTCGGAGAAGGACCCAGGAGAACAGGGACCACCTCTGGAAGGTCCGTGGAAGAAGTTCCC
CTGTATGGGAACCTGCACTATTTACAGACAGGACGGCTGTGGAAGAATCAAGGTGAGAAGCAGGACC
CATCTCCGGAGGCCTTGCCAGGGGAGCAGAGGAGGCCACGTGTTACACGAGTCTGCAGCTGCGACCAGC
CCAAGGTCGGATCCCCAGCTCTGGGACCCCATCAAGTACTGCGAGGTGGTGTGGACTCTGAGCCAAAG
CCCCAGGCCTCAGGCCCTGAGCCAGAACTTTATGCCTCCGTGTGTGCCAGACACGCAGAGCCCGTCTCT
CATTCCCAGATCAAGCCTATGCCAACAGCCAGCCTGCACCCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024344
Insert Size: 537 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_001024344.1](#), [NP_001019515.1](#)

RefSeq Size: 1229 bp

RefSeq ORF: 537 bp

Locus ID: 500449

UniProt ID: [Q5M869](#)

Cytogenetics: 5q22

Gene Summary: Negatively regulates T-cell antigen receptor (TCR)-mediated signaling. Involved in positive selection of T-cells.[UniProtKB/Swiss-Prot Function]