

## Product datasheet for MC207507

### Sit1 (NM\_019436) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sit1 (NM_019436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sit1
Synonyms:	Sit
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207507 representing NM_019436 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCAGAGATTACAACGTACTGACACTGACGATCAACTCGCATGGGGATCCCCTCCATAAGCCACGCGT  
GGGACTGTGGCCCTCTTAGGAGTTGTGACGGTCTGCTTCTCATCTCATTGGCTGCACTCTTGTCCTCA  
GTGGACCCGTGGTCGGAGAAGGAACCAGGAGGGACAGGGACCCTCTCCGGAAGGTCGCGGAAGAAGTT  
CCCCTGTATGGCAACCTGCACTATTTACAGACAGGTCTGGCTGTCTCAAGAACCAAGGTCAGAAGAGCAGG  
ACCCACCATCCTCTGGAGGCCTTGCAGGGGGCGGAGGAGGCCATGTGCTACACTAGCCTGCAGCTGCC  
ACCAGCTCAAGGTCGGATCCCCAGCTCTGGAAACCCCATCAAGTACTGTGAGGTGGTCTGGACTCTGAG  
CCAAAGCCCCAGGCCCCAGGCCCTGAGCCGGAACCTTTATGCCTCCGTGTGTGCCAGACCCGCAGAGGCC  
GGGTTCTTCCAGATCAAGCCTATGCCAACAGCCAGCCTGCACCCAGCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_019436
Insert Size:	543 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).



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<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>	<a href="#">NM_019436.3</a> , <a href="#">NP_062309.2</a>
<b>RefSeq Size:</b>	1201 bp
<b>RefSeq ORF:</b>	543 bp
<b>Locus ID:</b>	54390
<b>UniProt ID:</b>	<a href="#">Q8C503</a>
<b>Cytogenetics:</b>	4 A5
<b>Gene Summary:</b>	Negatively regulates T-cell antigen receptor (TCR)-mediated signaling. Involved in positive selection of T-cells.[UniProtKB/Swiss-Prot Function]