

## Product datasheet for **SC304112**

### SIT (SIT1) (NM\_014450) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIT (SIT1) (NM_014450) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIT1
Synonyms:	SIT; SIT-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304112 representing NM_014450. Blue=Insert sequence Red=Cloning site Green=Tag(s)

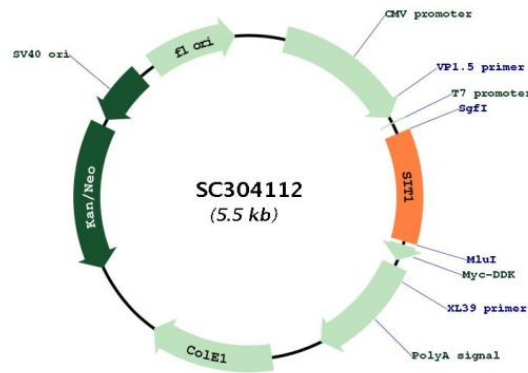
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCAGGCTGACCCTCGGCTCAGAGCAGTGTGCTTGTGGACTCTCACATCTGCAGCCATGAGCAGA
GGCGACAACCTGCACGGATCTACTCGCACTGGGAATCCCCTCCATAACCCAGGCCTGGGGACTGTGGGTC
CTCTTAGGGGCTGTGACGCTGCTATTTCTCATCTCGTGGCTGCACACTGTCCCAGTGGACCAGGGGC
CGGAGCAGGAGCCATCCGGGGCAGGGACGCTCTGGAGAGTCTGTGAAGAGGTCCCCTGTATGGGAAC
CTGCATTATCTACAGACAGGACGGCTGTCTCAAGACCCAGAGCCAGACCAGCAGGATCCAACCTTTGGA
GGCCCTGCCAGGGCTGCAGAGGAGGTGATGTGCTATACCAGCCTGCAGCTGCGGCCTCCTCAGGGTCGG
ATCCCCGGTCTTGAACCCCGTCAAGTACTCGGAGGTGGTGTGGACTCTGAGCCAAAGTCCCAGGCC
TCGGGCCCGGAGCCGGAGCTCTATGCCTCAGTATGTGCCAGACCCGAGGGCCCGGCCTCCTTCCCG
GATCAGGCCTATGCCAACAGCCAGCCTGCAGCCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM\_014450

Insert Size: 591 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:	<a href="#">NM_014450.2</a>
RefSeq Size:	1238 bp
RefSeq ORF:	591 bp
Locus ID:	27240
UniProt ID:	<a href="#">Q9Y3P8</a>
Cytogenetics:	9p13.3
Protein Families:	Transmembrane
MW:	21.1 kDa
Gene Summary:	Negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells. Involved in positive selection of T-cells.[UniProtKB/Swiss-Prot Function]