

## Product datasheet for **RN210022**

### **Spi1 (NM\_001005892) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spi1 (NM_001005892) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Spi1
Synonyms:	Pu.1; Sfpi1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210022 representing NM_001005892 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGTTACAGGCGTGCAAAATGGAAGGGTTCCCTCGTCGCCCCCTCCATCGGATGAGCTGGTTACTTATG  
 AATCAGAACTATACCAACGTCAAACACATGACTACTATTCTTGATTGGTGGTGATGGAGACAGCCATAG  
 CGATCACTATTGGGATTTCTCCACACACCATGTACACAGCGAGTTTGAGAGCTTCCCTGAGAACCACTTC  
 ACGGAGCTGCAGAGCGTGCAGCCCCGAGCTACAGCAGCTCTACCGCCACATGGAGCTGGAGCAGATGC  
 ACGTCCTTGACACCCCCATGGCACCGCCCCATGCCAGCCTCAGTCACCAGGTTTCTACATGCCCGGGT  
 GTGCTTCCCTTATCCACCCTTGTCGCCAGCCACCAGCAGAGCTCAGATGAGGAGGAGGGTGAGAGGCAG  
 AGCCCTCCACTGGAGGTGTCTGATGGAGAAGCTGATGGCTTGGAGCCTGGGCCAGGCCTTCTGCATGGGG  
 AGACAGGCAGCAAGAAGAAGATTCTGTTGTACCACTTCTGCTGGACCTGCTGCGTAGCGGAGACATGAA  
 GGACAGCATCTGGTGGGTGGACAAGGACAAAGGTACCTTCCAGTTCTCGTCCAAGCACAAGGAGGCGCTG  
 GCGCACCCTGGGGCATCCAGAAGGGAACCGCAAGAAGATGACCTACCAGAAGATGGCGCGCGCTGC  
 GCAACTACGGCAAGACGGGCGAGGTGAAGAAAGTCAAGAAGAAGCTCACTTACCAGTTACAGCGCGAGGT  
 GCTGGGCCGTGGGGCCTGGCTGAGCGGCGCCTCCCGCCCCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001005892
Insert Size:	816 bp


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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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_001005892.2</a> , <a href="#">NP_001005892.1</a>
<b>RefSeq Size:</b>	1373 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	366126
<b>UniProt ID:</b>	<a href="#">Q6BDS1</a>
<b>Cytogenetics:</b>	3q24
<b>Gene Summary:</b>	Binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. This protein is a transcriptional activator that may be specifically involved in the differentiation or activation of macrophages or B-cells. Also binds RNA and may modulate pre-mRNA splicing (By similarity).[UniProtKB/Swiss-Prot Function]