

Product datasheet for MR203632

Spi1 (NM_011355) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Spi1 (NM_011355) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Spi1
 Synonyms: Dis-1; Dis1; PU.1; Sfpi-1; Sfpi1; Spi-1; Tcfpu1; Tfpu.1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR203632 representing NM_011355
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTACAGGCGTGCAAAATGGAAGGGTTTTCCCTCACCGCCCCTCCATCGGATGACTTGGTTACTTACG
 ATTCAGAGCTATACCAACGTCCAATGCATGACTACTACTCCTTCGTGGGCAGCGATGGAGAAAGCCATAG
 CGATCACTACTGGGATTTCTCCGCACACCATGTCCACAACAACGAGTTTGAGAACTTCCCTGAGAACCAC
 TTCACAGAGCTGCAGAGTGTGCAGCCCCCGCAGCTACAGCAGCTCTATGCCACATGGAGCTGGAACAGA
 TGCACGTCTCGATACTCCCATGGTGCCACCCACACCGGCTCAGTACCAGGTTTCTACATGCCCGG
 GATGTGCTTCCCTTATCAAACCTTGTCCCCAGCCACCAGCAGAGCTCAGATGAGGAGGAGGGTGAGAGG
 CAGAGCCCTCCCTGGAGGTGTCTGATGGAGAAGCTGATGGCTTGGAGCCTGGGCCAGGTCTTCTGCACG
 GGGAGACAGGCAGCAAGAAAAAGATTCCCTGTACCAGTTCTGTGCTGGACCTGCTGCGCAGCGGCGACAT
 GAAGGACAGCATCTGGTGGGTGGACAAGGACAAAGGTACCTTCCAGTTCTCGTCCAAGCACAAGGAGGCG
 CTGGCGCACCGCTGGGGCATCCAGAAGGGCAACCGCAAGAAGATGACCTACCAGAAGATGGCGCGCGCGC
 TGCGCAACTACGGCAAGACAGGCGAGGTGAAGAAAGTCAAGAAGAAGCTCACCTACCAGTTCAGCGGCGCA
 GGTGCTGGGCCGTGGGGCCTGGCCGAGCGGCGCTCCCGCCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR203632 representing NM_011355
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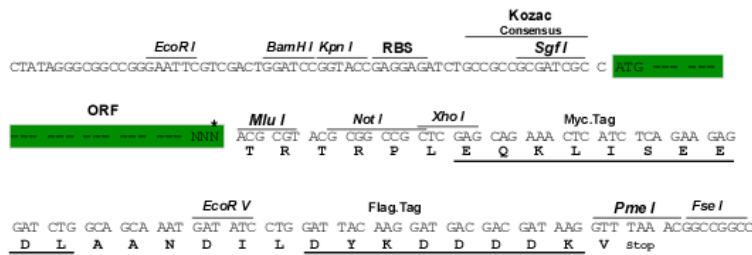
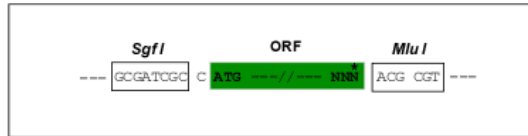
MLQACKMEGFSLTAPPSDDLVTYDSELYQRPMHDYYSFVGSDDGESHSDDHYWDFSAHHVHNNEFENFPENH
 FTELQSVQPPQLQQLYRHMELEQMHLVLDTPMVPHTGLSHQVSYMPRMCFPYQTLSPAHQSSDEEEGER
 QSPPLEVSDGEADGLEPGPLLHGETGSKKKIRLYQFLDLLRSGDMKDSIWWVDKDKGTFQFSSKHKEA
 LAHRWGIQKGNRKKMTYQKMARALRNYGKTGEVKKVKKKLTQYFSGEVLGRGGLAERRLPPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011355

ORF Size: 816 bp

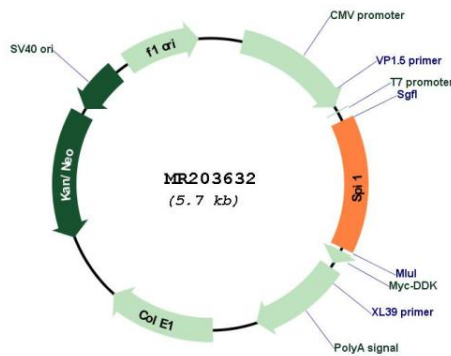
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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:	<u>NM_011355.2</u>
RefSeq Size:	1333 bp
RefSeq ORF:	819 bp
Locus ID:	20375
UniProt ID:	<u>P17433</u>
Cytogenetics:	2 50.44 cM
MW:	31.8 kDa
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203632