

Product datasheet for **SC127924**

SPI1 (NM_003120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPI1 (NM_003120) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPI1
Synonyms:	OF; PU.1; SFPI1; SPI-1; SPI-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127924 sequence for NM_003120 edited (data generated by NextGen Sequencing)

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ATGTTACAGGCGTGCAAATGGAAGGGTTTCCCCTCGTCCCCCTCCATCAGAAGACCTG
GTGCCCTATGACACGGATCTATACCAACGCCAAACGCACGAGATTACCCCTATCTCAGC
AGTGATGGGGAGAGCCATAGCGACCATTACTGGGACTTCCACCCCACCCAGTGCACAGC
GAGTTCGAGAGCTTCGCCGAGAACAACCTCACGGAGCTCCAGAGCGTGCAGCCCCGAG
CTGCAGCAGCTCTACCGCCACATGGAGCTGGAGCAGATGCACGTCCTCGATACCCCATG
GTGCCACCCCATCCCAGTCTTGGCCACCAGGTCTCCTACCTGCCCCGGATGTGCCTCCAG
TACCCATCCCTGTCCCCAGCCCAGCCAGCTCAGATGAGGAGGAGGGCGAGCGGCAGAGC
CCCCACTGGAGGTGTCTGACGGCGAGGGCGGATGGCTGGAGCCCGGGCCTGGGCTCCTG
CCTGGGGAGACAGGCAGCAAGAAGAAGATCCGCCTGTACCAAGTTCCTGTTGGACCTGCTC
CGCAGCGGCGACATGAAGGACAGCATCTGGTGGGTGGACAAGGACAAGGGCACCTTCCAG
TTCTCGTCCAAGCACAAGGAGGCGCTGGCGCACCGCTGGGGCATCCAGAAGGGCAACCGC
AAGAAGATGACCTACCAGAAGATGGCGCGCGCTGCGCAACTACGGCAAGACGGGCGAG
GTCAAGAAGGTGAAGAAGAAGCTCACCTACCAGTTCAGCGGCGAAGTGCTGGGCCGCGGG
GGCCTGGCCGAGCGGCCACCCGCCCCACTGA

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Clone variation with respect to NM_003120.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003120 unedited CCCGTTCAGAATTGTATACGACTCATAGGGGCGGCCGNAATCGGCACCAGGGGATCT GACCGACTCGGCAGCCCGGCTGGATGTTACAGGCGTGCAAAATGGAAGGGTTTCCCTCG TCCCCCTCAGCCATCAGAAGACCTGGTGCCCTATGACACGGATCTATACCAACGCCAAA CGCACGAGTATTACCCCTATCTCAGCAGTGATGGGGAGAGCCATAGCGACCATTACTGGG ACTTCCACCCCAACCACGTGCACAGCGAGTTCGAGAGCTTCGCCGAGAACAACCTCACGG AGCTCCAGAGCGTGCAGCCCCCGCAGCTGCAGCAGCTCTACCGCCACATGGAGCTGGAGC AGATGCACGTCCCTCGATACCCCATGGTGCCACCCCATCCAGTCTTGGCCACCAGGTCT CCTACCTGCCCGGATGTGCCTCCAGTACCCATCCCTGTCCCCAGCCCAGCCCAGCTNCA GATGAGGTAGGAGGGCGAGCGGCAGAGCCCCCACTGGAGGTGTCTGACGGCGAGGCGGA TGGCCTGGAGCCCGGGCTGGGCTCCTGCCTGGGGAGACAGGCAGCAAGAAGAAGAGCCG CCTGTACCAGTTCCTGTTGGACCTGCTCCGCAGCGGCACATGAAGGACAGCATCTGGCT GGGCTGGACAAGGACCAGGGCACTTTCCTAGTTCTCGTCCAAGCACAACGGAGGCGCTG GCGCACCGCTGGGGCATCCAGAAGGGCAACCGCAAGACGATGACCTACCAGAAGAGGGCG CGCGCGTGCCTCACTACGCAGACGGNCTAGGTCTAGAGGGTGAAGAAGAGCTACCTACC GTAGGGGCAAGGTGGCCCCCGGGGGGCTTGCTGAGGGGCCCCCGCCCATGA GCCCGAGCCCCCGCCGGCCCGNCAGCTATTCGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003120
Insert Size:	1500 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	NM_003120.1 , NP_003111.1
RefSeq Size:	1364 bp

RefSeq ORF:	795 bp
Locus ID:	6688
UniProt ID:	P17947
Cytogenetics:	11p11.2
Domains:	ETS
Protein Families:	Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Pathways in cancer

Gene Summary: This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in a shorter protein (isoform 2).