

Product datasheet for **SC317377**

SPIB (NM_003121) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPIB (NM_003121) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPIB
Synonyms:	SPI-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317377 representing NM_003121. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCGCCCTGGAGGCTGCACAGCTCGACGGCCACACTTCAGCTGTCTGTACCCAGATGGCGTCTTC
TATGACCTGGACAGCTGCAAGCATTCCAGCTACCCCTGATTCAGAGGGGGCTCCTGACTCCCTGTGGGAC
TGGACTGTGGCCCCACCTGTCCCAGCCACCCCTATGAAGCCTTCGACCCGGCAGCAGCCGCTTTTAGC
CACCCCCAGGCTGCCAGCTCTGCTACGAACCCCCACCTACAGCCCTGCAGGGAACCTCGAACTGGCC
CCCAGCCTGGAGGCCCGGGCCTGGCCTCCCCGCATACCCACGGAGAATTCGCTAGCCAGACCCCTG
GTTCCCCCGGCATATGCCCGTACCCAGCCCTGTGCTATCAGAGGAGGAAGACTTACCGTTGGACAGC
CCTGCCCTGGAGGTCTCGACAGCGAGTCGGATGAGGCCCTCGTGCTGGCCCGAGGGGAAGGGATCC
GAGGCAGGACTCGAAGAAGCTGCGCCTGTACCAAGTTCCTGCTGGGGCTACTGACGCGCGGGGACATG
CGTGAGTGCGTGTGGTGGTGGAGCCAGGCGCCGGCGTCTTCCAGTTCTCCTCCAAGCACAAGGAACTC
CTGGCGCGCCGCTGGGGCCAGCAGAAGGGGAACCGCAAGCGCATGACCTACCAGAAGCTGGCGCGCGCC
CTCCGAAACTACGCCAAGACCGGCGAGATCCGCAAGGTCAAGCGCAAGCTCACCTACCAGTTCGACAGC
GCGCTGCTGCCTGCAGTCCGCCGGGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_003121
Insert Size:	789 bp



[View online »](#)

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 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: [NM_003121.4](#)

RefSeq Size: 3537 bp

RefSeq ORF: 789 bp

Locus ID: 6689

UniProt ID: [Q01892](#)

Cytogenetics: 19q13.33

Protein Families: Transcription Factors

MW: 28.8 kDa

Gene Summary: The protein encoded by this gene is a transcriptional activator that binds to the PU-box (5'-GAGGAA-3') and acts as a lymphoid-specific enhancer. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.