

Product datasheet for **RN202347**

Spib (NM_001024286) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spib (NM_001024286) Rat Untagged Clone
Tag: Tag Free
Symbol: Spib
Synonyms: MGC109046
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN202347 representing NM_001024286
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTGCTGGAGGCTGCACAGCTGGATGGCCACACTTAAGCTGTTGCAGTACCCAGAAGGTGTCT
 TCTATGACCTGGACAGCTGCAAGTCCTTCAGTTACCCAGATTAGATGGGGCCCTGACTCCACATGGGG
 CTGGACAGAGGCCCGCCTGCCCTGCCATCGCTGCCTATGAAGCTTTCGACCCTGCTGCTACGGCAGCC
 TTTGCCACACCCAGGCTGTGCAGCTCTGTTATGGTCATGGTCTAGCCCTCCACCTACAGTCCCGTGG
 GAACCTTGACCCAGCCCCAGCTTGGAGGCTTCGGGGCCTGGCCTCCAGGTATACCCCTCAGAGGACTT
 CACCAGCCAGACCCTGGGCTCCTTGGCTTATGCTCCGTACCCAGCCCTGTGCTATCAGAGGAGGAAGAC
 ATTCTGCTGGACAGCCCTGCCCTGGAGGCTCTCGGACAGTGAGTCAGACGAGGCCCTCTTGCTGGCTCCG
 AGGGGAGGGGATCTGAGGCAGGTGCACGCAAGAAGCTGCGCCTGTACCAGTTCTTGCTGGAGTTACTCCT
 GCGCGGGGACATGCGCGAGTGCCTGTGGTGGTGGAGCCAGGTGCTGGCGTCTTCCAGTTCTCTCCAAG
 CACAAGGAGTTGTTGGCTCGCCGCTGGGGCCAGCAGAAGGGCAACCGCAAACGCATGACGTATCAGAAGC
 TGGCCCGAGCGCTGCGCAACTATGCCAAGACAGGCGAAATCCGCAAGGTCAAACGCAAGCTCACCTACCA
 GTTTGACAGCGCGCTGCTGCCAGCCGCCCGCGTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024286
Insert Size: 810 bp



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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).
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_001024286.1</u> , <u>NP_001019457.1</u>
RefSeq Size:	2583 bp
RefSeq ORF:	810 bp
Locus ID:	499146
UniProt ID:	<u>Q5EBA3</u>
Cytogenetics:	1q22
Gene Summary:	Sequence specific transcriptional activator which binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. Promotes development of plasmacytoid dendritic cells (pDCs), also known as type 2 DC precursors (pre-DC2) or natural interferon (IFN)-producing cells. These cells have the capacity to produce large amounts of interferon and block viral replication. Required for B-cell receptor (BCR) signaling, which is necessary for normal B-cell development and antigenic stimulation (By similarity).[UniProtKB/Swiss-Prot Function]