

Product datasheet for **MG225440**

Spib (NM_019866) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Spib (NM_019866) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Spib
 Synonyms: Spi-B
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG225440 representing NM_019866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTGCTCTGGAGGCTGCACAGCTGGATGGCCACACTTAAGCTGTTTGTACCCAGAAGGAGTCTTCT
 ACGACCTGGACAGCTGCAAGCCCTTCAGTTACCCAGATTCAGATGGGGCCTTGACTCTACATGGGGCTG
 GACAGAGGCCCGCTGCTCCTGCCATCGCTCCCTATGAAGCCTTCGATCCTGCTACTGCTGCCTTTAGC
 CACTCCAAACTGTTAGCTCTGTTATAGCCATGGTCTAACCCTCCACCTATAGCCCATGGGGACCC
 TCGACCCAGCCCCAGCTTGGAGGCCCGGGCCTGGCCTCCAGGTGTTCCCCCAGAGGACTTCACCAG
 CCAGACCTGGGCTCCTTGGCTTATGCTCCGTACCCAGCCCTGTGCTATCAGAGGAAGAAGACATTATG
 CTGGACAGCCCCGCCCTGGAGGTCTCGGACAGTGAGTCAGACGAGGCCCTCTTGGCTGGCTCCGAGGGGA
 GGGGATCTGAGGCAGGTGCACGCAAGAAGCTGCGCCTGTACCAGTTCTTGTGGGTTGCTCCTACGCGG
 GGACATGCGCGAGTGCCTGTGGTGGTGGAGCCAGGTGCCGGCGTCTTCCAGTTCTCTCAAGCACAAG
 GAGTTGTTGGCTCGCCGCTGGGGCCAGCAGAAGGGCAACCGCAAGCGCATGACGTATCAGAAGCTGGCC
 GAGCGCTGCGCAACTATGCCAAGACAGGCGAAATCCGCAAGGTCAAACGCAAACCTCACCTACCAGTTTGA
 CAGCGCGCTGCTGCCAGCCTCCCGCATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG225440 representing NM_019866
Red=Cloning site Green=Tags(s)

MLALEAAQLDGPLHSCLYPEGVFYDLDSCKPFSYPDSGGLDSTWGWTEAPPAPAIAPYEAFDPATAAFS
 HSQTVQLCYSHGPNPSTYSPMGTLDPAPSLEAPGPGLVFPPEDFTSQTLGSLAYAPYSPVLSSEEDIM
 LDSPALEVSDSEDEALLAGSEGRGSEAGARKLRLYQFLGLLLRGMRECVWVPEPGAGVFQFSKHK
 ELLARRWGQQGNRKRMTYQKLARALRNYAKTGEIRKVKRKLTYQFDSALLPASRHV

TRTRPLE - GFP Tag - V

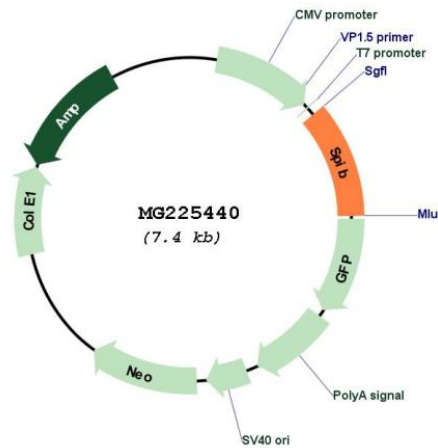
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019866

ORF Size: 801 bp

OTI Disclaimer:	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:	NM_019866.1 , NP_063919.1
RefSeq Size:	2786 bp
RefSeq ORF:	804 bp
Locus ID:	272382
UniProt ID:	O35906
Cytogenetics:	7 28.83 cM
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. [UniProtKB/Swiss-Prot Function]