

Product datasheet for **RG233498**

SPIB (NM_001244000) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPIB (NM_001244000) Human 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:	>RG233498 representing NM_001244000 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTTCTATGACCTGGACAGCTGCAAGCATTCCAGCTACCCTGATTCAGAGGGGGCTCCTGACTC
CCTGTGGGACTGGACTGTGGCCCCACCTGTCCAGCCACCCCTATGAAGCCTTCGACCCGGCAGCAGCC
GCTTTTAGCCACCCCAAGGCTGCCAGCTCTGCTACGAACCCCACTACAGCCCTGCAGGGAACCTCG
AACTGGCCCCAGCCTGGAGGCCCGGGCCTGGCCTCCCCCATACCCACGGAGAAGTTCGCTAGCCA
GCCCTGTGCTATCAGAGGAGGAAGACTTACCGTTGGACAGCCCTGCCCTGGAGGTCTCGGACAGCGAGTC
GGATGAGGCCCTCGTGGCTGGCCCCGAGGGGAAGGGATCCGAGGCAGGGACTCGCAAGAAGCTGCGCCTG
TACCAGTTCCTGCTGGGGCTACTGACGCGCGGGGACATGCGTGAGTGCGTGTGGTGGGTGGAGCCAGGCG
CCGGCGTCTTCCAGTTCCTCCAAGCACAAGGAAGTCTGCGCGCCGCTGGGGCCAGCAGAAGGGGAA
CCGCAAGCGCATGACCTACCAGAAGCTGGCGCGCCCTCCGAACTACGCCAAGACCGGCGAGATCCGC
AAGGTCAAGCGCAAGCTCACCTACCAGTTCGACAGCGCGTGTGCTGCAGTCCGCCGGGCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233498 representing NM_001244000
 Red=Cloning site Green=Tags(s)

MASSMTWTAASIPATLIQRGLLTPCGTGLWPHLSQPPPMKPSTRQQPLLATPRLPSSATNPPTALQGTS
 NWPPAWRPRGLASPHTPRRTSLASPVLSEEDLPLDSPALEVSDSEDEALVAGPEGKGEAGTRKKLRL
 YQFLLGLLTRGDMRECVWVVEPGAGVFQFSSKHKELLARRWQQQGNRKRMTYQKLARALRNYAKTGEIR
 KVKRKLTYQFDSALLPAVRRRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001244000

ORF Size: 693 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:

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_001244000.1](#), [NP_001230929.1](#)

RefSeq Size: 3502 bp

RefSeq ORF: 696 bp

Locus ID: 6689

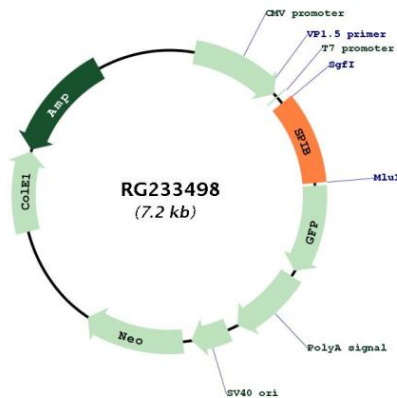
UniProt ID: [Q01892](#)

Cytogenetics: 19q13.33

Protein Families: Transcription Factors

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]

Product images:



Circular map for RG233498