

Product datasheet for **MC217059**

Shb (NM_001033306) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shb (NM_001033306) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shb
Synonyms:	BC028832
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217059 representing NM_001033306
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAGTGGCTGAACAAGTACTTCAGCTTGGGCAACAGCAAGACTAAGAGTCCGCCGACGCCGCGA
 GGCCGGACTACCGGGAGCAGCGCGCCGGGGCAGCGACGAGAGCAGCCCCGCAGGCCGTGCCGAGGC
 CTGCTCGGCGTCTCGGGCTCCTGTGGGTGGGCCGCCGCTGTTCTCGGCCTCGTCGGGCTCTCTGCC
 GACGACAGCGGCAGCAGAGTACCTCATCCGCGCTACCGCGCGCAGAAGGAGCGGACTTCGAGGACC
 CGTACAACGGGCCGGGCTCGTCGCTGCGCAAATGCGAGCTATGTCCGCTGGACTACTGCGGCGCGG
 CGGCGGCGGGACCCCGGCGGGGCCAGCGCGCTTACGGCGGAGCGGGAGCTGCGGGCTGCTGCTGC
 GCGGCGGCGGGAGCGGGCGCCGCGTCTCGTCTCATCTCCGGCTCCCGCACCTTACCGCAGCA
 GCAGCGAGCGGCCGCGACGACCGCGGAGGTGCGCTACATCTCCCTAAGCACCGACTCATCAAGT
 GGAGAGCGGAGCGCTGCGGGGACCTCCGGGAGGCGTGTGCTCTGGCGCCGTACCTGGAGCCCGACG
 ACCTGCGGAGGCAAAAACTGCTCAACAAGTGCTCCGCCGAGGAGACCGGAGCTGGTCAGAAAGATAAGG
 TGACCATAGCTGATGACTACTCCGATCCCTTTGATGCCAAGAGCGACCTCAAGAGCAAAGCAGGAAAGGG
 TGAGAGCGCTGGCTACATGGAGCCCTACGAAGCCAGAGGATCATGACAGAATTCAGAGGCAAGAGAGC
 GTCCGGTCACAGCACAAGGCATCCAGTTGTACGACACCCCGTACGAGCCGGAAGGCCAGAGCGTGGACT
 CAGACTCAGAGAGCACTGTGAGCCTTCCGCTGCGGGAGAGCAAGTACCCAGGATGACGACAGGCTGC
 TGATGAGTACGACAGCCGTGGGAATGGAACCGGGTACCATCCCCGCCGAGCCAGTTTAAACGGC
 AATGAAAAGCGGCAGTCTCCCATCACCTTCTCGGGACCGGCGCCAGCTCCGTGCCCGGGAGGAG
 GCTTCAAGCCCATCAAGCACGGGAGCCCGAGTCTGTGGGATTCTGGGGAGAGAGTGGATCCACCAT
 CCCACTGGAGAAAACAGATATGGTATCACGGGGCCATCAGCAGAAGTGATGCTGAGAACCTGCTGCGACTC
 TGTAAGGAGTGCAGCTACCTTGTCCGGAACAGCCAGACCAGCAAACATGACTACTCCCTCTCCCTGAAGA
 GTAACCAGGGCTTATGCACATGAAACTGGCCAAGACAAAGAGAAGTATGTTCTGGGTGAGAACAGCCC
 CCCTTTTGACAGCGTCCCGGAAGTCATCCACTACTACACCACCAGGAAGCTGCCCATCAAAGGGCCGAG
 CACTTGTCCCTCTACCCAGTGGCTGTGCGGACTCT**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001033306

Insert Size: 1512 bp

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:

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_001033306.1](#), [NP_001028478.1](#)

RefSeq Size: 2762 bp

RefSeq ORF: 1512 bp

Locus ID: 230126

UniProt ID: [Q6PD21](#)

Cytogenetics: 4 B1

Gene Summary: Adapter protein which regulates several signal transduction cascades by linking activated receptors to downstream signaling components. May play a role in angiogenesis by regulating FGFR1, VEGFR2 and PDGFR signaling. May also play a role in T-cell antigen receptor/TCR signaling, interleukin-2 signaling, apoptosis and neuronal cells differentiation by mediating basic-FGF and NGF-induced signaling cascades. May also regulate IRS1 and IRS2 signaling in insulin-producing cells (By similarity).[UniProtKB/Swiss-Prot Function]