

Product datasheet for **SC303263**

SHB (NM_003028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHB (NM_003028) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHB
Synonyms:	bA3J10.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC303263 representing NM_003028.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAAGTGGCTAAACAAGTACTTCAGCTTGGGCAACAGCAAGACCAAGAGCCCCCGCAGCCGCCG
CGGCCAGACTACCGCAGCAGCGCGCCGAGCGGCTTCGCAGCCCCCAGGCCGTGCCGCAG
GCCTCCTCCGCCGCTCGGCGTCTGCGGTCCGGCCACCGCTCCTGCTTCTCAGCCTCTTCGGGCTCG
CTGCCCGACGACAGCGGCGAGCACCAGCGACCTCATCCGCGCTACCGCGCGCAGAAGGAGCGAGACTTC
GAGGACCCCTACAACGGGCTGGCTCGTCGCTGCGCAACTGCGCGCATGTGCCGCTGGACTACTGC
GGCGGCGAGCGGGAGCCAGGCGGGTCCAGCGCCTTCTCGGCTCGTCCGCGTGGGCGCCGCGGGC
TGTTGCTGCGCTCCTCGGGCGGGGGCCGCCGCTCCTCGTCTCGTCTCGGCTCTCCGCATCTC
TACCGCAGCAGCAGCGAGCGGCCGCCACGCCGCCGAGGTGCGCTACATCTCCCCAAGCACCGC
CTCATCAAAGTGGAGAGCGCCGCGGGCGGTGGGCGGGGACCCCTGGGGGCGCCTGCGCGGGCGGC
CGCACCTGGAGCCGACGGCTCGGAGGCAAGAACTGCTCAACAAGTGCGCCGCTCAGCCGCGGAG
GAGAGCGGGGCCGCAAGAAGGACAAGGTGACCATAGCCGATGACTACTCAGATCCCTTTGATGCCAAG
AATGATCTCAAGAGCAAAGCAGGAAAGGGGAGAGTGCTGGCTACATGGAGCCCTATGAGGCACAGAGG
ATCATGACAGAATTTAGAGGCAGGAAAGTGTCGGTCCCAGCATAAAGGTATCCAGTTATATGACACC
CCTTACGAACCTGAAGGCCAAAGTGTGACTCAGACTCGGAGAGCAGTCAGCCCCGACTGCGGGAG
AGCAAGCTGCCCCAGGATGACGACAGGCCCGCCGATGAGTACGACCAGCCTTGGGAGTGGAACCGGGTC
ACCATCCAGCCCTGGCAGCAGTTTAATGGCAACGAGAAGCGGAGTCATCCCCTCACCTTCGCGG
GACCGGCGGCCAGCTTCGTGCCCTGGAGGGGCTTTAAGCCTATCAAACATGGGAGCCCTGAGTTC
TGCGGGATCCTAGGAGAAAGGTGGATCCTGCCGTCCCCTGGAGAAGCAAATATGGTATCAGGAGCC
ATCAGCAGAGGAGACGCCGAGAAGCTGCTGCGACTCTGCAAGGAGTGATAGCTACCTTGCCGGAACAGC
CAGACCAGCAAGCATGACTACTCCTCTCCCTGAGGAGCAACCAGGGTTTATGCACATGAACTGGCC
AAAACCAAAGAGAAATACGTTCTGGGTGAGAACAGCCCTCCGTTGACAGTGTCCCGGAAGTCATCCAC
TACTACACCACGAAAGCTACCATCAAAGGGGCTGAGCACTTGTCCTCCTCTATCCCGTGGCTGTG
AGGACCCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_003028

Insert Size: 1530 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).

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:	<u>NM_003028.2</u>
RefSeq Size:	6021 bp
RefSeq ORF:	1530 bp
Locus ID:	6461
UniProt ID:	<u>Q15464</u>
Cytogenetics:	9p13.1
Protein Families:	ES Cell Differentiation/IPS
MW:	55 kDa
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.[UniProtKB/Swiss-Prot Function]