

Product datasheet for **SC122216**

SHKBP1 (NM_138392) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHKBP1 (NM_138392) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHKBP1
Synonyms:	PP203; Sb1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_138392, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCAGCGGCTACTGCAGCCGAGGGGTCCCAGTCGGGGGCTCCCGGGGAAGTCATTCATCTGA
ATGTGGGAGGCAAGAGATTCAGTACCTCTCGCCAGACTCTCACCTGGATCCCAGACTCCTTCTTCCAG
TCTTCTGAGCGGACGCATCTCGACGCTGAAAGATGAGACCGGAGCAATCTTCATCGACAGGGACCTACA
GTCTTCGCCCCCATCCTCAACTTCTGCGCACCAAGAGTTGGATCCCAGGGGTGCCACGGTTCCAGCC
TCCTCCATGAAGCCCAGTTCTATGGGCTCACTCCTCTGTTTCGTCGCCTGCAGCTTCGAGAGGAGTTGGA
TCGATCTTCTTGTGAAACGTCCTCTTCAATGGTTACCTGCCGCCACCAGTGTCCAGTGAAGCGGCGG
AACCGGCACAGCCTAGTGGGGCTCAGCAGCTAGGAGGACGGCCAGCCCCGTCCGACGGAGCAACACGA
TGCCCCCAACCTTGGAATGCAGGGCTGCTGGGCCGAATGCTGGATGAGAAAACCCCTCCCTCACCTC
AGGACAACCTGAGGAGCCGGGATGGTGCCTGGTGTGTGGACACCATAATTGGATCGCTGTGGCCTAT
ACCCAGTTTCTAGTCTGCTACAGGTTGAAGGAAGCCTCTGGCTGGCAGCTGGTGTTCAGCCCCCGCC
TGGACTGGCCATCGAACACTGGCGCTCACAGCCGGGTGCATGGTGGGGCTTTGGGTGAACATGACAA
GATGGTGGCAGCAGCCACCGGCAGCGAGATCCTGCTATGGGCTCTGCAGGCGGAAGGCGGTGGCTCCGAG
ATAGGGGTCTTTTCATCTGGGGTGCCTGTGGAGGCCTTGTCTTCGTCGGGAACCAGCTCATTGCTACAA
GCCACACAGGGCGCATCGGGGTGTGGAATGCCGTCAACAAGCACTGGCAGGTCCAGGAGGTGCAGCCAT
CACCAGTTATGACGCGCAGGCTCCTTCTCCTCTGGGCTGCAACAACGGCTCCATTTACTACGTGGAT
GTGCAGAAAGTTCCCCTTGCGCATGAAAGACAACGACCTCCTTGTGAGCGAGCTCTATCGGGACCCAGCGG
AGGATGGGGTACCAGCCCTCAGTGTCTACCTCACCCCAAGACCAGTGACAGTGGGAACTGGATCGAGAT
CGCCTATGGCACCAGCTCAGGGGGCTGCGGGTTCATCGTGCAGCACCCGGAGACTGTGGGCTCGGGGCT
CAGCTCTTCCAGACCTTCACTGTGCACCCGAGCCCTGTACCAAGATCATGCTGTGCGAGAAGCACCTCA
TCTCAGTCTGTGCCGACAACAACCACGTGCGGACATGGTCTGTGACTCGCTTCCGCGGCATGATTTCCAC
CCAGCCCGGCTCCACCCACTCGCTTCTTTAAGATCCTGGCTCTGGAGTCGGCAGATGGGCATGGCGGC
TGCAGTGTGGCAATGACATTGGCCCTACGGTGAGCGGGACGACCAGCAAGTGTTCATCCAGAAGGTGG
TGCCAGTGCCAGCCAGCTTTCGTGCGTCTCTCATCTACTGGGCAGCGGGTGTGCTCCGTGCGCTCCGT
GGACGGCTCACCCAGCAGCCTTACAGTGTGGAGTGCAGGGGCTCCCGGGGCTCGGCTCTCGGCC
CGGCGTACTGCTCACTGGCCAGGCCAACGGCAGCTTGGCCATGTGGGACCTAACCCAGCCATGGACG
GCCTCGGCCAGGCCCTGCAGGTGGCTGACGGAGCAAGAGCTGATGGAACAGCTGGAACACTGTGAGCT
GGCCCCGCGGCTCCTTACGCTCCCTCATGGGGTGTCTCCCCAGCCCTCACCCGCATCTCCCTCACC
AGCCTCCACTCAGCTCCAGCAACCTCCTTGTCTGGCCACCGTGGGAGCCCAAGCCCCCGCAGGCTG
AGGCCCGGCGCCGTGGTGGGGGAGCTTTGTGGAACGCTGCCAGGAACTGGTGGGAGTGGGCCAGACCT
CCGACGGCCACCCACACCAGCCCGTGGCCCTCCAGCGGTCTCGGCACTCCCCTCACACCTCCAAGATG
AAGCTCAATGAACTTCTTTTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_138392 unedited
 GGGGNNNNNGGGGGNNNNNNNTCCNNNNNTTGTTCAGATTTGTATACAATCATAT
 AGGCGGCCGCGNAATTCGCACCAGCCAGCCGGCTCGCCGGGGCCATGGCAGCAGCGGC
 TACTGCAGCCGAGGGGTCCCCAGTCGGGGGCCTCCGGGAAGTCATTCATCTGAATGT
 GGGAGGCAAGAGATTTCAGTACCTCTCGCCAGACTCTCACCTGGATCCCAGACTCCTTCTT
 CTCCAGTCTTCTGAGCGGACGCATCTCGACGCTGAAAGATGAGACCGGAGCAATCTTCAT
 CGACAGGACCTACAGTCTTCGCCCCATCCTCAACTTCTGCGCACCAAGAGTTGGA
 TCCCAGGGGTGTCCACGGTTCAGCCTCCTCCATGAAGCCAGTTCTATGGGCTCACTCC
 TCTGGTTCGTCGCTGCAGCTTCGAGAGGAGTTGGATCGATCTTCTTGTGAAACGCTCT
 CTTCAATGGTTACCTGCCGCCACCAAGTGTCCAGTGAAGCGGCGGAACCGGCACAGCCT
 AGTGGGGCCTCAGCAGCTAGGAGGACGGCCAGCCCTGTCCGACGGAGCAACACGATGCC
 CCCCACCTTGGCAATGCAGGGCTGCTGGGCCAATGCTGGATGAGAAAACCCCTCCCTC
 ACCCTCAGGACAACCTGAGGAGCCGGGGATGGTGCCTGGTGTGTGGACACCATAATTG
 GATCGCTGTGGCCTATACCCAGTTTCTAGTCTGCTACNAGTTGAAGAAGCCTCTGNMNC
 TGCAGCTGTGTTTTCCAGCCCCGCTGGACTGGGCCATCGAACGACTGGCGCTCACAGCC
 CCGGTGCATGGTGGGGCTTNTGGTGAACATGACAAGATGGTGGCAGCAGCCACCGGCAGC
 GAGATCCTGCTATGGNCTCTGCA

Restriction Sites:

NotI-NotI

ACCN:

NM_138392

Insert Size:

2700 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_138392.1](#), [NP_612401.1](#)

RefSeq Size:

2362 bp

RefSeq ORF:	2124 bp
Locus ID:	92799
UniProt ID:	<u>Q8TBC3</u>
Cytogenetics:	19q13.2
Domains:	BTB, WD40, K_tetra
Protein Families:	Ion Channels: Other
Gene Summary:	Inhibits CBL-SH3KBP1 complex mediated down-regulation of EGFR signaling by sequestration of SH3KBP1. Binds to SH3KBP1 and prevents its interaction with CBL and inhibits translocation of SH3KBP1 to EGFR containing vesicles upon EGF stimulation. [UniProtKB/Swiss-Prot Function]