

Product datasheet for **SC326596**

SH3BP2 (NM_001145855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP2 (NM_001145855) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3BP2
Synonyms:	3BP-2; 3BP2; CRBM; CRPM; RES4-23
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001145855, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCCCTGGGCCCCAGGACACCGGCCCCGAGCAGGTCACGAGGACGGAGGGCCATG
TGTTGGGTGAGCACCATCAGCTTCATGGCGGCTGAAGAGATGCATTGGCCTGTCCCTATG
AAGGCCATTGGTGCCAGAACCTGCTAACCATGCCTGGGGGCGTGGCCAAGGCTGGCTAC
CTGCACAAGAAGGGCGGTACCCAGCTGCAGCTGCTGAAATGGCCCTGCGCTTTGTGTCAT
ATCCACAAGCCTGCGTCTACTACTTCAAGAGTAGCACCTCTGCCTCCCCGACGGGCGCC
TTCTCCCTGAGTGGTATAACCGGGTATGCGGGCGGCTGAGGAGACCAGTCCAACAAC
GTTTTCCCTTCAAGATCATCCATATCAGCAAGAAGCACCGCACGTGGTTCTTCTCGGCC
TCCTCCGAGGAGGAGCGCAAGAGCTGGATGGCCTTGCTGCGCAGGGAGATTGGCCACTTC
CACGAAAAGAAAGACCTGCCCTTGGACACCAGCGACTCCAGCTCGGACACAGACAGCTTC
TACGGCGCAGTTGAGCGGCTGTGGATATCAGCCTTTCCCGTACCCACGGACAATGAA
GACTATGAGCAGCAGGATGAGGATGACTCCTACCTGGAGCCTGACTCCCCGGAGCCCGGA
AGGCTTGAGGATGCCCTGATGCACCCACCGGCTTACCCACCACCCCAAGTGGCCACGCC
AGGAAGCCAGCCTTCTCTGACATGCCCCGGGCCACTCCTTTACCTCCAAGGGCCCCGGT
CCCTACTGCCACCCCGCCCCCTAAGCACGGCCTCCAGATGTTGGCCTGGCTGCTGAG
GACTCCAAGAGGGACCCACTGTGCCCGAGGCGGGCTGAGCCTTGCCCCAGGGTACCTGCT
ACCCCCGAAGGATGAGCGATCCCCCTCTGAGCACCATGCCACCCGACCCGGCCTCCGG
AAACCCCTTGCTCCGGGAGAGTGCCAGCCCCAGCCCGAGCCCTGGACCCCTGGCCAC
GGGGCCTGCTCCACTCCAGTGTGCCATCATGGCCACTGCCACCTCCAGAACTGTGAC
AAACTCAAGTCTTCCACTGTCCCCCGAGGACCACCCACATCTGAGCCCCACCTGTG
CCAGCCAACAAGCCCAAGTTCTGAAGATAGCTGAAGAGGACCCCAAGGGAGGCAGCC
ATGCCCGGACTCTTTGTGCCCCCGTGGCTCCCCGGCCTCTGCGCTGAAGCTGCCAGTG
CCTGAGGCCATGGCGCGGCCCGCAGTCTGCCAGGCCAGAGAAGCCGCGAGCTCCCGCAC
CTCCAGCGATACCCCCCGATGGGCAGAGTTTCAGGAGCTTCTCCTTTGAAAAGCCCGG
CAACCCTCACAGGCTGACACTGGCGGGGACGACTCGGACGAGGACTATGAGAAGGTGCCA
CTGCCCAACTCGGTCTTCGTCAACACCACGGAGTCTGCGAAGTGAAAGGTTGTTCAAG
GCTACAAGCCCCGGGAGAGCCCCAGGATGGACTCTACTGCATCCGGAAGTCTCTACC
AAGTCGGGGAAGTCTCGTTGTGTGGGACGAAACCTCTAACAAAGTGAGGAACTATCGC
ATTTTTGAGAAGGACTCTAAGTTCTACCTGGAGGGCGAGGTCCTGTTTGTGAGTGTGGC
AGCATGGTGGAGCACTACCACACCCACGTGCTGCCAGCCACCAGAGCCTGCTGCTGCGG
CACCCCTACGGCTACACTGGGCCTAGG

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Restriction Sites: Please inquire

ACCN: NM_001145855

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: [NM_001145855.1](#), [NP_001139327.1](#)

RefSeq Size: 9211 bp

RefSeq ORF: 1770 bp

Locus ID: 6452

UniProt ID: [P78314](#)

Cytogenetics: 4p16.3

Protein Families: Druggable Genome

Protein Pathways: Natural killer cell mediated cytotoxicity

Gene Summary: The protein encoded by this gene has an N-terminal pleckstrin homology (PH) domain, an SH3-binding proline-rich region, and a C-terminal SH2 domain. The protein binds to the SH3 domains of several proteins including the ABL1 and SYK protein tyrosine kinases, and functions as a cytoplasmic adaptor protein to positively regulate transcriptional activity in T, natural killer (NK), and basophilic cells. Mutations in this gene result in cherubism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (4) represents use of an alternative promoter and 5' UTR and uses an alternate translation start site, compared to variant 3. The resulting isoform (c) has a shorter and distinct N-terminus, compared to isoform b. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.