

Product datasheet for SC117138

SH3BP5 (NM_004844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP5 (NM_004844) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3BP5
Synonyms:	SAB; SH3BP-5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117138 sequence for NM_004844 edited (data generated by NextGen Sequencing)

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ATGGACGCGGCACTGAAGCGGAGCCGCTCGGAGGAGCCAGCCGAAATCCTGCCGCTGCC
CGGGACGAGGAGGAGGAGGAGGAAGAGGGGATGGAGCAGGGGCTGGAGGAGGAAGAAGAG
GTGGATCCCCGGATCCAGGGAGAACTGGAGAAGTTAAATCAGTCCACGGATGATATCAAC
AGACGGGAGACTGAACTTGAGGATGCTCGTCAGAAGTTCCGCTCTGTTCTGGTTGAAGCA
ACGGTGAAACTGGATGAACTGGTGAAGAAAATTGGCAAAGCTGTGGAAGACTCCAAGCCC
TACTGGGAGGCACGGAGGGTGGCGAGGCAGGCTCAGCTGGAAGCTCAGAAAGCCACGCAG
GACTTCCAGAGGGCCACAGAGGTGCTCCGTGCCGCAAGGAGACCATCTCCCTGGCCGAG
CAGCGGCTGCTGGAGGATGACAAGCGGCAGTTCGACTCCGCTGGCAGGAGATGCTGAAT
CACGCCACTCAGAGGGTCATGGAGGCGGAGCAGACCAAGACCAGGAGCGAGCTGGTGCAT
AAGGAGACGGCAGCCAGGTACAATGCCGCCATGGGCCGCATGCGACAGCTGGAGAAGAAA
CTCAAGAGAGCCATCAACAAGTCCAAGCCTTATTTTGAAGTCAAGGCAAAGTACTATGTG
CAGCTCGAGCAACTGAAAAGACTGTGGATGACCTGCAGGCCAAACTGACCTGGCAAAA
GGCGAGTACAAGATGGCCCTGAAGAACCTGGAGATGATCTCAGATGAGATCCACGAGCGG
CGGCGCTCCAGTGCCATGGGGCTCGGGGATGCGGTGTTGGTGTGAGGGCAGCAGCACA
TCTGTGGAGGATCTGCCAGGGAGCAAACCTGAGCCTGATGCCATTTCTGTGGCCTCGGAG
GCCTTTGAAGATGACAGCTGTAGCAACTTTGTGTCTGAAGATGACTCGGAAACCCAGTCC
GTGTCAGCTTTAGTTTCAGGACCAACAAGCCGCTGAGATGCCGACCAGTTCCTGCG
GTTGTGAGGCCTGGCAGCCTGGATCTGCCAGCCCTGTGTCCCTGTCAGAGTTTGGGATG
ATGTTCCAGTGTGGGCCCTCGAAGTGAATGCAGCGGGGCTCCTCCCTGAATGTGAA
GTAGAACGAGGAGACAGGGCAGAAAGGGCAGAGAATAAAACAAGTACAAAGCCAACAAC
AACCGGGCCTCAGCAGTAGCAGTGGCAGTGGTGGCAGCAGTAAGAGCCAAGCAGCACC
TCCCTGAGGGCCAGGCCTTGGAGAACCGGATGAAGCAGCTCTCCCTACAGTGCTCAAAG
GGAAGAGATGGAATTATTGCTGACATAAAAATGGTGCAGATTGGCTGA

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Clone variation with respect to NM_004844.3



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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_004844.2](#), [NP_004835.1](#)

RefSeq Size: 2906 bp

RefSeq ORF: 1278 bp

Locus ID: 9467

UniProt ID: [O60239](#)

Cytogenetics: 3p25.1

Gene Summary: Functions as guanine nucleotide exchange factor (GEF) with specificity for RAB11A and RAB25 (PubMed:26506309, PubMed:30217979). Inhibits the auto- and transphosphorylation activity of BTK. Plays a negative regulatory role in BTK-related cytoplasmic signaling in B-cells. May be involved in BCR-induced apoptotic cell death.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).