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Product datasheet for SC317747

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317747 representing NM_004844. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACGCGGCACTGAAGCGGAGCCGCTCGGAGGAGCCAGCCGAAATCCTGCCGCCTGCCCGGGACGAG
GAGGAGGAGGAGGAAGAGGGGATGGAGCAGGGGCTGGAGGAGGAAGAAGAGGTGGATCCCCGGATCCAG
GGAGAACTGGAGAAGTTAAATCAGTCCACGGATGATATCAACAGACGGGAGACTGAACTTGAGGATGCT
CGTCAGAAGTTCCGCTCTGTTCTGGTTGAAGCAACGGTGAAACTGGATGAACTGGTGAAGAAAATTGGC
AAAGCTGTGGAAGACTCCAAGCCCTACTGGGAGGCACGGAGGGTGGCGAGGCAGGCTCAGCTGGAAGCT
CAGAAAGCCACGCAGGACTTCCAGAGGGCCACAGAGGTGCTCCGTGCCGCCAAGGAGACCATCTCCCTG
GCCGAGCAGCGGCTGCTGGAGGATGACAAGCGGCAGTTCGACTCCGCCTGGCAGGAGATGCTGAATCAC
GCCACTCAGAGGGTCATGGAGGCGGAGCAGACCAAGACCAGGAGCGAGCTGGTGCATAAGGAGACGGCA
GCCAGGTACAATGCCGCCATGGGCCGCATGCGACAGCTGGAGAAGAAACTCAAGAGAGCCATCAACAAG
TCCAAGCCTTATTTTGAACTCAAGGCAAAGTACTATGTGCAGCTCGAGCAACTGAAAAAGACTGTGGAT
GACCTGCAGGCCAAACTGACCCTGGCAAAAGGCGAGTACAAGATGGCCCTGAAGAACCTGGAGATGATC
TCAGATGAGATCCACGAGCGGCGGCGCTCCAGTGCCATGGGGCCTCGGGGATGCGGTGTTGGTGCTGAG
GGCAGCAGCACATCTGTGGAGGATCTGCCAGGGAGCAAACCTGAGCCTGATGCCATTTCTGTGGCCTCG
GAGGCCTTTGAAGATGACAGCTGTAGCAACTTTGTGTCTGAAGATGACTCGGAAACCCAGTCCGTGTCC
AGCTTTAGTTCAGGACCAACAAGCCCGTCTGAGATGCCTGACCAGTTCCCTGCGGTTGTGAGGCCTGGC
AGCCTGGATCTGCCCAGCCCTGTGTCCCTGTCAGAGTTTGGGATGATGTTCCCAGTGTTGGGCCCTCGA
AGTGAATGCAGCGGGGCCTCCTCCCCTGAATGTGAAGTAGAACGAGGAGACAGGGCAGAAGGGGCAGAG
AATAAAACAAGTGACAAAGCCAACAACAACCGGGGCCTCAGCAGTAGCAGTGGCAGTGGTGGCAGCAGT
AAGAGCCAAAGCAGCACCTCCCCTGAGGGCCAGGCCTTGGAGAACCGGATGAAGCAGCTCTCCCTACAG
TGCTCAAAGGGAAGAGATGGAATTATTGCTGACATAAAAATGGTGCAGATTGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_004844
Insert Size:	1368 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:	NM_004844.4
RefSeq Size:	3322 bp
RefSeq ORF:	1368 bp
Locus ID:	9467
UniProt ID:	O60239
Cytogenetics:	3p25.1
MW:	50.4 kDa
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).