

Product datasheet for **SC318179**

SH3BP1 (NM_018957) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP1 (NM_018957) Human Untagged Clone
Tag:	Tag Free
Symbol:	SH3BP1
Synonyms:	ARHGAP43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318179 representing NM_018957.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATGAAGAGGCAGCTGCACCCGATCGCGCAGCTGCCAGACGGGCGAGCTTGGGACGCCCCCGGAG
ACCGCTGAGTTCTGGGTGAGGACCTGCTGCAGGTAGAACAGCGGCTGGAGCCGGCCAAGCGGGCAGCC
CACAACTCCACAAGCGGCTGCAGGCCTGTCTGCAGGGCCAGAGCGGGGAGACATGGACAAGCGGGTG
AAGAAGCTTCCCCTCATGGCTCTGTCCACCACGATGGCTGAGAGCTTCAAGGAGCTGGACCTGATTCC
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GCAACCAAGAATTCAGGCAGCAGTCAAGGCCTAGGAGGCAGCCCGGTAGTCACAGCCATACGACCATG
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GAGACAGCTGCCCAGTGGAGGACATGGCTCGGAGGACCAAGCGCCGGGCCAGCCCGGCCACCATG
CCGCCCCCAGGTCTCCGGCTCCGGCTCCTCCCTCCAGCCCCGCTTGGCCCTGGCTGAGCAGC
CCTGGGACCCCCAAGCCCTGCCCGGACGTCTGGTTGGCAGCAGCCTCCGAGCCCCACAGTGCCACCC
CCGTTACCCCCACACCCCTCAGCCTGCCCGGCCAAAGCCGGCGTTACCAGCCTCCCCAGCCCG
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CCCCGCCAGGAGCCTTGCTCAGAGACCAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_018957
Insert Size: 2106 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:	<ol style="list-style-type: none">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_018957.3
RefSeq Size:	2592 bp
RefSeq ORF:	2106 bp
Locus ID:	23616
UniProt ID:	Q9Y3L3
Cytogenetics:	22q13.1
Domains:	RhoGAP
MW:	75.7 kDa
Gene Summary:	<p>This gene encodes a member of the Rho GTPase activating protein (RhoGAP) family. The encoded protein regulates Rac signaling and plays a role in cytoskeletal dynamics, cell motility and epithelial junction formation. This protein's association with the exocyst complex, which tethers secretory vesicles to the plasma membrane, has been demonstrated to be important in cell motility. In a distinct complex, this protein has been shown to regulate epithelial junction formation and morphogenesis. By interacting with the Plexin-D1 cell surface receptor, this protein mediates changes in the cytoskeleton in response to semaphorin binding. This protein may promote metastasis in human liver cancer cells and tissues. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>