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Product datasheet for SC113307

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_018957, the custom clone sequence may differ by one or more nucleotides

ATGATGAAGAGGCAGCTGCACCGCATGCGGCAGCTGGCCCAGACGGGCAGCTTGGGACGCACCCCGGAGA
CCGCTGAGTTCCTGGGTGAGGACCTGCTGCAGGTAGAACAGCGGCTGGAGCCGGCCAAGCGGGCAGCCCA
CAACATCCACAAGCGGCTGCAGGCCTGTCTGCAGGGCCAGAGCGGGGCAGACATGGACAAGCGGGTGAAG
AAGCTTCCCCTCATGGCTCTGTCCACCACGATGGCTGAGAGCTTCAAGGAGCTGGACCCTGATTCCAGCA
TGGGGAAGGCCTTGGAGATGAGCTGTGCCATCCAGAATCAGCTGGCCCGCATCCTGGCCGAGTTTGAGAT
GACCCTGGAGAGGGACGTCCTGCAGCCACTCAGCAGGCTGAGTGAGGAGGAGCTGCCAGCCATCCTCAAA
CACAAGAAAAGCCTCCAGAAGCTCGTGTCCGACTGGAACACACTCAAGAGCAGGCTCAGTCAGGCAACCA
AGAATTCAGGCAGCAGTCAAGGCCTAGGAGGCAGCCCGGGTAGTCACAGCCATACGACCATGGCCAACAA
GGTGGAGACGCTGAAGGAGGAGGAGGAGGAGCTGAAGAGGAAAGTGGAGCAATGCAGGGACGAGTACTTG
GCTGACCTGTACCACTTTGTTACCAAGGAGGACTCCTATGCCAACTACTTCATTCGTCTCCTGGAGATTC
AGGCCGATTACCATCGCAGGTCACTGAGCTCGCTGGACACAGCCCTGGCTGAGCTGAGGGAGAACCACGG
CCAAGCAGACCACTCCCCTTCGATGACAGCCACCCACTTCCCCAGGGTGTATGGGGTGTCGCTGGCAACC
CACCTGCAAGAGCTGGGCCGGGAGATTGCCCTGCCCATCGAGGCCTGCGTCATGATGCTGCTTTCTGAGG
GCATGAAGGAAGAGGGTCTCTTCCGTCTGGCTGCTGGGGCCTCGGTGCTGAAGCGTCTCAAGCAGACAAT
GGCCTCGGACCCCCACAGCCTGGAGGAGTTCTGCTCCGACCCGCACGCTGTGGCAGGTGCCCTCAAGTCC
TATCTGCGGGAGCTGCCAGAGCCTCTGATGACCTTCGACCTCTATGATGACTGGATGAGGGCAGCCAGCC
TGAAGGAGCCAGGGGCCCGGCTGCAGGCCCTCCAAGAGGTGTGCAGCCGCCTACCCCCCGAGAACCTCAG
CAACCTCAGGTACCTGATGAAGTTCCTGGCACGGCTGGCCGAGGAGCAGGAGGTGAACAAGATGACACCC
AGCAACATCGCCATAGTCCTGGGACCCAACTTGCTGTGGCCACCTGAGAAAGAAGGGGACCAGGCCCAGC
TGGATGCAGCCTCCGTGTCTTCCATCCAGGTGGTGGGCGTCGTCGAGGCGCTGATCCAGAGCGCAGACAC
CCTCTTCCCTGGAGACATCAACTTCAACGTGTCAGGCCTCTTCTCAGCTGTTACCCTCCAGGACACAGTC
AGTGACAGGCTGGCCTCTGAGGAACTTCCGTCCACTGCCGTGCCCACCCCAGCCACCACCCCGGCTCCGG
CTCCGGCTCCAGCTCCAGCTCCGGCCCCAGCCTTGGCTTCAGCAGCTACCAAGGAAAGGACAGAGTCTGA
GGTGCCTCCCAGACCAGCCTCCCCCAAGGTCACCAGGAGTCCCCCGGAGACAGCTGCCCCAGTGGAGGAC
ATGGCTCGGAGGACCAAGCGCCCGGCGCCAGCCCGGCCCACCATGCCGCCCCCCCAGGTCTCCGGCTCCC
GCTCCTCCCCTCCAGCCCCGCCCTTGCCCCCTGGCTCTGGCAGCCCTGGGACCCCCCAAGCCCTGCCCCG
ACGTCTGGTTGGCAGCAGCCTCCGAGCCCCCACAGTGCCACCCCCGTTACCCCCCACACCCCCTCAGCCT
GCCCGGCGCCAAAGCCGGCGTTCACCAGCCTCCCCCAGCCCGGCCTCCCCAGGTCCAGCCTCCCCCAGCC
CAGTCTCTTTGAGTAACCCTGCACAGGTGGACCTGGGGGCTGCCACAGCAGAGGGAGGAGCCCCTGAGGC
TATCAGTGGGGTCCCCACTCCCCCAGCTATCCCCCCTCAGCCCCGCCCCAGGAGCCTTGCCTCAGAGACC
AACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018957 unedited
NGTTCAGATATTTGTATACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGGAGAG
GCAGGCTGGACCGGGGGCTCCCCGGGCCCGCGACCCCCGCCGTGACCCCGCAGCCCCCAG
CTCGCCCCCAAGATGATGAAGAGGCAGCTGCACCGCATGCGGCAGCTGGCCCAGACGGGC
AGCTTGGGACGCACCCCGGAGACCGCTGAGTTCCTGGGTGAGGACCTGCTGCAGGTAGAA
CAGCGGCTGGAGCCGGCCAAGCGGGCAGCCCACAACATCCACAAGCGGCTGCAGGCCTGT
CTGCAGGGCCAGAGCGGGGCAGACATGGACAAGCGGGTGAAGAAGCTTCCCCTCATGGCT
CTGTCCACCACGATGGCTGAGAGCTTCAAGGAGCTGGACCCTGATTCCAGCATGGGGAAG
GCCTTGGAGATGAGCTGTGCCATCCAGAATCAGCTGGCCCGCATCCTGGCCGAGTTTGAG
ATGACCCTGGAGAGGGACGTCCTGCAGCCACTCAGCAGGCTGAGTGAGGAGGAGCTGCCA
GCCATCCTCAAACACAAGAAAAGCCTCCAGAAGCTCGTGTCCGACTGGAACACACTCAAG
AGCAGGCTCAGTCAGGCAACCAAGAATTCAGGCAGCAGTCAAGGCCTAGGAGGCAGCCCG
GGTAGTCACAGCCATACGACCATGGNCCAACAGGTGGAGACGCTGAAAGGAGAGGAGGGA
GAGCTGAANAGGAAAGTGGAGCAATGCAGGGACGAGTACTTGGCTGACCTGTACCACTTT
GNTACCAAGGAGGACTNCTATGCCAACTACTTCATTCGTCTCCTGGAGATTCAGGCCGAT
ACCCATCGCAGTCACTGAGCTCGCTGGACCCGCCCTGCCTGAGCTGAGGGAGACCACGNN
CAGCCAGACACTCCCCTTCGTGACAGACACCACTCCCAGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018957 unedited
GGGGGGGCNNTGGCNNNACCCCNNNNNTTTTNNNNNNNNGTTTTTGACTTAGACAGNGGN
CCGCNTACTANGANCGNGTTTTTTTTTTTTTTTTTNTCCGTTTTGTCCAAAATATTTATT
TACCAGCCTTACAAAAAAATGTCGGCAAAAAAAAAATCATCCCGTAGAAGCAGGCAAACC
TCTCCTTCCTTCCGGTGGCTCCCCTAGGACCTGCCGGAGAGTGGAGAGTCCGGTGGGGGG
GTCCCCAAGCCCAGGGTGGACGAGGAAAAGGTCAGGAAATAGAGGATTGTCCTGAGCCCT
CCTGGCCATGGGGGCCGACCCAGTGGGCACTGAGGCACTTGTGGGCAAAGGCTGGAGGCC
CATGCCCCTTTGTGGGGGGCGAGAGCTGTCCTGGGAGGGCCAGGTGGGGAGGGAGGGGGT
GCTGAGGGCTGCTTAGGGAGAAACCAGCCACTCAGTTGGTCTCTGAGGCAAGGCTCCTGG
GGCGGGGCTGAGGGGGGATAGCTGGGGGAGTGGGGACCCCACTGATAGCCTCAGGGGCTC
CTCCCTCTGCTGTGGCAGCCCCCAGGTCCACCTGTGCAGGGTTACTCAAAGAGACTGGGC
TGGGGGAGGCTGGACCTGGGGAGGCCGGGCTGGGGGAGGCTGGTGAACGCCGGCTTTGGC
GCCGGGCAGGCCTGAGGGGTGTGGGGGGTAACGGGGGTGGCACTGTGGGGGCTCGGAGGC
TGCTGGCAACCAAACGTTGGGGCCGGGCTTGGGGGGTCCCCAGGGCTGCCAGAGCCAGGG
GCCAAGGGGGGGCTTGGAGGGGGATAACCGGTAACCCGGAAACCTGGGGGGGCCGGCTTG
GTGGGCCCGGTCTGGCCCCCGGCCGCTGGGTCCTCCCAGACCATGGCCTCCCATGGGGCA
AGCTGTTTCCGGGGGACCCCTGGTGACCTTGGGGGAGGTTTGTCCTGGAAGN

Restriction Sites: NotI-NotI

ACCN: NM_018957

Insert Size: 2440 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).

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_018957.2, NP_061830.2
RefSeq Size:	2592 bp
RefSeq ORF:	2592 bp
Locus ID:	23616
UniProt ID:	Q9Y3L3
Cytogenetics:	22q13.1
Domains:	RhoGAP
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).