

Product datasheet for **RG219860**

SH3BP1 (NM_018957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3BP1 (NM_018957) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SH3BP1
Synonyms:	ARHGAP43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG219860 representing NM_018957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAGAGGCAGCTGCACCGCATGCGGCAGCTGGCCAGACGGGCAGCTTGGGACGCACCCCGGAGA
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 CAGTCTCTTTGAGTAACCCTGCACAGGTGGACCTGGGGGTGCCACAGCAGAGGGAGGAGCCCTGAGGC
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 AAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

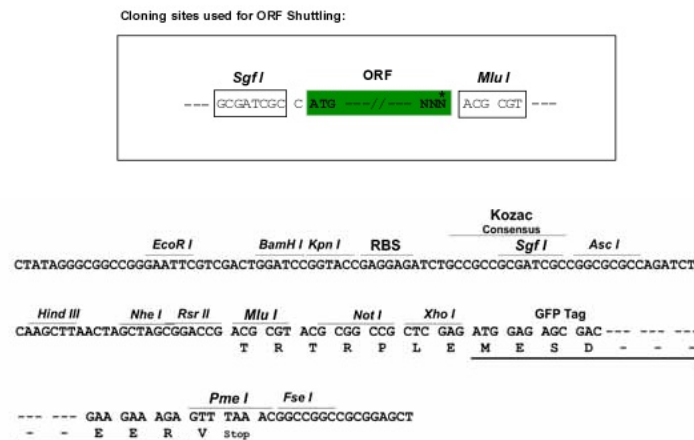
Protein Sequence: >RG219860 representing NM_018957
Red=Cloning site Green=Tags(s)

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ARRQSRSPASPSASPSPVSLSNPAQVDLGAATAEGGAPEAISGVPTPPAIPPQPRRSLASET
N
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018957

ORF Size: 2103 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_018957.6](#)

RefSeq Size: 2592 bp

RefSeq ORF: 2106 bp

Locus ID: 23616

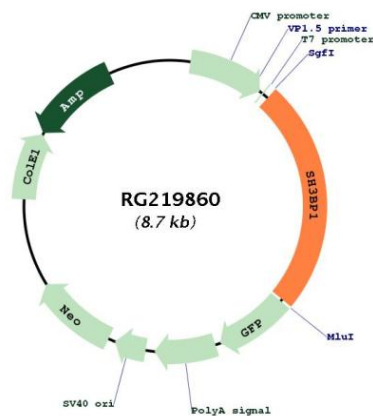
UniProt ID: [Q9Y3L3](#)

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]

Product images:



Circular map for RG219860