

Product datasheet for **RC219860L3V**

SH3BP1 (NM_018957) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SH3BP1 (NM_018957) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SH3BP1 |
| Synonyms: | ARHGAP43 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_018957 |
| ORF Size: | 2103 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219860). |
| 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. |
| RefSeq: | NM_018957.3 |
| RefSeq Size: | 2592 bp |
| RefSeq ORF: | 2106 bp |
| Locus ID: | 23616 |
| UniProt ID: | Q9Y3L3 |
| Cytogenetics: | 22q13.1 |
| Domains: | RhoGAP |
| MW: | 75.5 kDa |



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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]