

## Product datasheet for **RC231210L4V**

### ASCC1 (NM\_001198799) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | ASCC1 (NM_001198799) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | ASCC1  |
| Synonyms:                 | ASC1p50; CGI-18; p50; SMABF2   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001198799   |
| ORF Size:                 | 1200 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC231210).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001198799.1</a>   |
| RefSeq ORF:               | 1203 bp  |
| Locus ID:                 | 51008  |
| UniProt ID:               | <a href="#">Q8N9N2</a>   |
| Cytogenetics:             | 10q22.1  |
| MW:                       | 46 kDa   |



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**Gene Summary:**

This gene encodes a subunit of the activating signal cointegrator 1 (ASC-1) complex. The ASC-1 complex is a transcriptional coactivator that plays an important role in gene transactivation by multiple transcription factors including activating protein 1 (AP-1), nuclear factor kappa-B (NF- $\kappa$ B) and serum response factor (SRF). The encoded protein contains an N-terminal KH-type RNA-binding motif which is required for AP-1 transactivation by the ASC-1 complex. Mutations in this gene are associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]