

## Product datasheet for **RC201203L4V**

### **S100 alpha 2 (S100A2) (NM\_005978) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | S100 alpha 2 (S100A2) (NM_005978) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | S100 alpha 2   |
| Synonyms:                 | CAN19; S100L   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_005978  |
| ORF Size:                 | 297 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC201203).   |
| 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_005978.3</a>  |
| RefSeq Size:              | 970 bp   |
| RefSeq ORF:               | 297 bp   |
| Locus ID:                 | 6273   |
| UniProt ID:               | <a href="#">P29034</a>   |
| Cytogenetics:             | 1q21.3   |
| MW:                       | 11.1 kDa   |



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**Gene Summary:**

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer. [provided by RefSeq, Jul 2008]