

## Product datasheet for **RC200559L2V**

### HOXA9 (NM\_152739) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

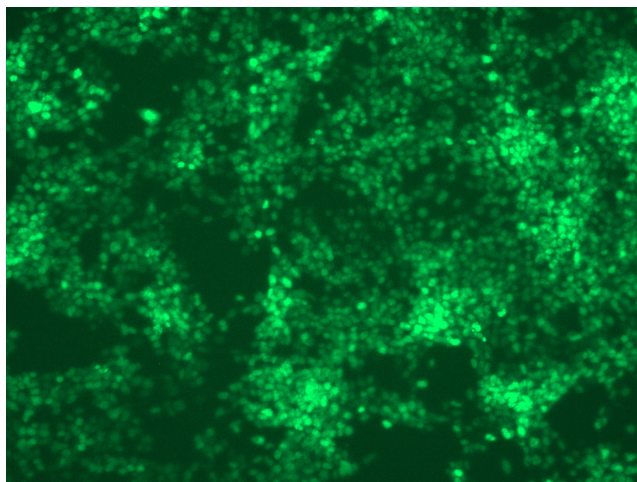
|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | HOXA9 (NM_152739) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | HOXA9  |
| Synonyms:                 | ABD-B; HOX1; HOX1.7; HOX1G   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_152739  |
| ORF Size:                 | 816 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC200559).   |
| 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_152739.3</a>  |
| RefSeq Size:              | 2076 bp  |
| RefSeq ORF:               | 819 bp   |
| Locus ID:                 | 3205   |
| UniProt ID:               | <a href="#">P31269</a>   |
| Cytogenetics:             | 7p15.2   |
| MW:                       | 30 kDa   |



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**Gene Summary:**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. This gene is highly similar to the abdominal-B (Abd-B) gene of *Drosophila*. A specific translocation event which causes a fusion between this gene and the NUP98 gene has been associated with myeloid leukemogenesis. Read-through transcription exists between this gene and the upstream homeobox A10 (HOXA10) gene.[provided by RefSeq, Mar 2011]

**Product images:**

[RC200559L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC200559L2V particle to overexpress human HOXA9-mGFP fusion protein.