

## Product datasheet for **RC224317L2V**

### **HOXA2 (NM\_006735) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

|                |                          |
|----------------|--------------------------|
| Product Type:  | Lentiviral Particles     |
| Symbol:        | HOXA2                    |
| Synonyms:      | HOX1K; MCOHI             |
| Mammalian Cell | None                     |
| Selection:     |                          |
| Vector:        | pLenti-C-mGFP (PS100071) |
| Tag:           | mGFP                     |
| ACCN:          | NM_006735                |
| ORF Size:      | 1128 bp                  |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC224317).

**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:       | <a href="#">NM_006735.3</a> |
| RefSeq Size:  | 1791 bp                     |
| RefSeq ORF:   | 1131 bp                     |
| Locus ID:     | 3199                        |
| UniProt ID:   | <a href="#">O43364</a>      |
| Cytogenetics: | 7p15.2                      |



**MW:** 40.8 kDa

**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. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. [provided by RefSeq, Jul 2008]