

## Product datasheet for **RC229730L4V**

### Clathrin light chain (CLTA) (NM\_001184760) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | Clathrin light chain (CLTA) (NM_001184760) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                              |
| Symbol:                   | Clathrin light chain                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms:                 | LCA                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_001184760                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:                 | 690 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC229730).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_001184760.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:               | 693 bp                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Locus ID:                 | 1211                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:               | <a href="#">P09496</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 9p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Pathways:         | Endocytosis, Huntington's disease, Lysosome                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:                       | 25.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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**Gene Summary:**

Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq, May 2010]