

## Product datasheet for RC229622L4

### Clathrin light chain (CLTA) (NM\_001184762) Human Tagged Lenti ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Clathrin light chain (CLTA) (NM_001184762) Human Tagged Lenti ORF Clone |
| Tag:                      | mGFP  |
| Symbol:                   | Clathrin light chain  |
| Synonyms:                 | LCA   |
| Mammalian Cell Selection: | Puromycin   |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                       |
| E. coli Selection:        | Chloramphenicol (34 ug/mL)  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC229622).          |
| Restriction Sites:        | SgfI-MluI   |
| Cloning Scheme:           |   |

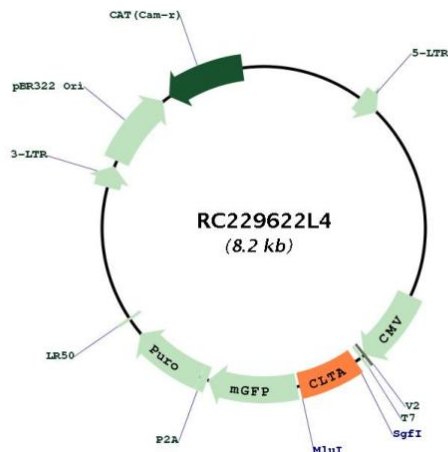
Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF.



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**Plasmid Map:**


**ACCN:** NM\_001184762

**ORF Size:** 498 bp

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001184762.1](#), [NP\\_001171691.1](#)

**RefSeq ORF:** 501 bp

**Locus ID:** 1211

UniProt ID: [P09496](#)

Cytogenetics: 9p13.3

Protein Pathways: Endocytosis, Huntington's disease, Lysosome

MW: 18.1 kDa

**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]