

## Product datasheet for **RG219035**

### Clathrin light chain (CLTA) (NM\_007096) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clathrin light chain (CLTA) (NM_007096) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Clathrin light chain
Synonyms:	LCA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219035 representing NM_007096 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTGAGCTGGATCCGTTTCGGCGCCCTGCCGGCGCCCTGGCGGTCCCAGCTGGGAAACGGAGTGGCCGGCGCCGCGAAGAAGACCCGGCTGCGGCTTCTTGGCGCAGCAAGAGAGCGAGATTGCGGGCATCGA  
GAACGACGAGGCCTTCGCCATCCTGGACGGCGGCCCGCCCGGCCAGCCGACGGCGAGCCGCGGGGGGTCCGGATGCTGTTGATGGAGTAATGAATGGTGAATACTACCAGGAAAGTAATGGTCCAACAGACAGTT  
ATGCAGCTATTTACAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAATGGAGAGAAGAACA  
AATGGAACGCTTGAAGCCCTTGATGCCAATTCTCGGAAGCAAGAAGCAGAGTGGAAAGAAAAGGCAATA  
AAGGAGCTAGAAGATGGTATGCAAGACAGGACGAGCTACAGAAAACAAAAGCAAACAACAGGGTGG  
CAGATGAAGCTTTCTACAAACAACCCCTTCGCTGACGTGATTGGTTATGTCACAAACATAAACCATCCTTG  
CTACAGCCTAGAACAGGCAGCAGAAGAAGCCTTTGTAATGACATTGACGAGTCGTCAGGCACTGAG  
TGGGAACGGGTGGCCCGCTGTGTGACTTTAACCCCAAGTCTAGCAAGCAGGCCAAAGATGTCTCCCGCA  
TGCCTCAGTCCTCATCTCCCTCAAGCAGGCCCGCTGGTGCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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\\_007096.4](#)

**RefSeq Size:** 1105 bp

**RefSeq ORF:** 747 bp

**Locus ID:** 1211

**UniProt ID:** [P09496](#)

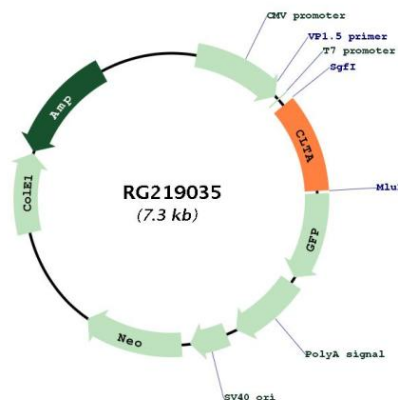
**Cytogenetics:** 9p13.3

**Domains:** Clathrin\_lg\_ch

**Protein Pathways:** Endocytosis, Huntington's disease, Lysosome

**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]

## Product images:



Circular map for RG219035