

Product datasheet for RC229622L3

OriGene Technologies, Inc.

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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: Myc-DDK

Symbol: Clathrin light chain

Synonyms: LCA

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

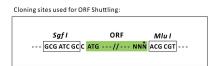
E. coli Selection: Chloramphenicol (34 ug/mL)

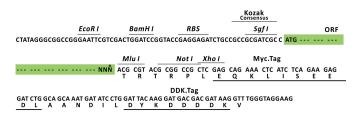
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229622).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001184762

ORF Size: 498 bp



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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: <u>NM 001184762.1</u>, <u>NP 001171691.1</u>

 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]