

## Product datasheet for MR217799

### Clta (NM\_001080386) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clta (NM\_001080386) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Clta  
**Synonyms:** AV026556; Lca  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217799 representing NM\_001080386  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGTTGGATCCATTCGGCGCTCCCGCCGGTGCGCCCGGTGGCCCCGCTCTAGGAAACGGGGTGG  
CGGGCGCCGGCGAAGAAGACCCGGCCGGCCTTCTTGGCGCAGCAAGAGAGTGAGATTGCGGGCATCGA  
GAACGATGAGGCCTTCGCCATCCTGGACGGCGGCCCGCCCGGCCGAGCCACACGGCGAGCCGCCGGGA  
GATGCTGTTGACGGAGTGATGAATGGTGAATACTACCAGGAGAGCAATGGTCCAACAGACAGTTACGCAG  
CCATTTTCAAGAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAGTGGAGAGAAGAGCAGACAGA  
GCGCCTGGAAGCCCTCGATGCCAATTCTCGGAAGCAAGAAGCGGAGTGGAAAGAAAAGGGGATAAAGGAG  
CTGGAAGAGTGGTATGCGAGGCAGGACGAGCAGCTACAGAAGACAAGGCAAACAACAGGGCAGCAGAAG  
AAGCCTTTGTAACGACATTGACGAGTCATCCCCAGGCACTGAGTGGGAGCGGGTGGCCCCGCTGTGTGA  
CTTTAACCCTAAGTCCAGCAAACAGGCCAAAGATGTCTCTCGCATGCGCTCAGTCCTCATCTCCCTGAAG  
CAGGCCCCCTGGTGCAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217799 representing NM\_001080386  
Red=Cloning site Green=Tags(s)

MAELDPFGAPAGAPGGPALGNGVAGAGEEDPAAFLAQQESEIAGIENDEAFAILDGGAPGPQPHGEP  
 PPGDAVDGVMNGEYYQESNGPTDSYAAISEVDRLQSEPIRKWREEQTERLEALDANSRKQEA  
 EWKEKAIKELEEWYARQDEQLQKTKANNRAAEAFVNDIDESSPGTEWERVERLCDFNPKSSKQAKD  
 VSRMRSVLISLKQAPLVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001080386

**ORF Size:** 648 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\\_001080386.2](#)

**RefSeq Size:** 1103 bp

**RefSeq ORF:** 651 bp

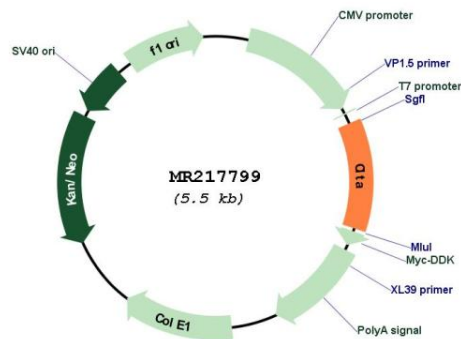
**Locus ID:** 12757

**Cytogenetics:** 4 B1

**MW:** 23.9 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 encoding different isoforms. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for MR217799