

## Product datasheet for **MG218830**

### Clta (NM\_016760) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Clta (NM\_016760) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Clta  
**Synonyms:** AV026556; Lca  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218830 representing NM\_016760  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGAGTTGGATCCATTCGGCGCTCCCGCCGGTGCGCCCGGTGGCCCGCTCTAGGAAACGGGGTGG  
CGGGCGCCGCGGAAGAAGACCCGGCCGCGGCTTCTTGGCGCAGCAAGAGAGTGAGATTGCGGGCATCGA  
GAACGATGAGGCCTTCGCCATCCTGGACGGCGGCCCGCCCGGCCAGCCACACGGCGAGCCGCCGGGA  
GGTCCGGATGCTGTTGACGGAGTGATGAATGGTGAATACTACCAGGAGAGCAATGGTCCAACAGACAGTT  
ACGCAGCCATTTGAGAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAGTGGAGAGAAGAGCA  
GACAGAGCGCCTGGAAGCCCTCGATGCCAATTCTCGGAAGCAAGAAGCGGAGTGGAAAGAAAAGGCGATA  
AAGGAGCTGGAAGAGTGGTATGCGAGGCAGGACGAGCTACAGAAGACAAAGGCAAACAACAGGGTGG  
CAGACGAAGCTTTCTACAAACAACCCCTTCGCTGACCTGATTGGTTATGTGGCAGCAGAAGAAGCCTTTGT  
AAACGACATTGACGAGTCATCCCAGGCACTGAGTGGGAGCGGGTGGCCCGCCTGTGTGACTTTAACCCC  
AAGTCCAGCAAACAGGCCAAAGATGTCTCTCGCATGCGCTCAGTCCTCATCTCCCTGAAGCAGGCCCCCC  
TGGTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218830 representing NM\_016760  
 Red=Cloning site Green=Tags(s)

MAELDPFGAPAGAPGGPALGNVAGAGEEDPAAFLAQQESEIAGIENDEAFAILDGGAPGPQPHGEPGG  
 GPDAVDGVMNGEYYQESNGPTDSYAAISEVDRLQSEPESEIRKWREEQTERLEALDANSRQEAWEKAI  
 KELEEYARQDEQLQKTKANNRVADEAFYKQPFADLIGYVAAEEAFVNDIDESSPGTEWVERVARLCDFNP  
 KSSKQAKDVSRRMSVLISLKQAPLVH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016760

**ORF Size:** 708 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\\_016760.3](#)

**RefSeq Size:** 1163 bp

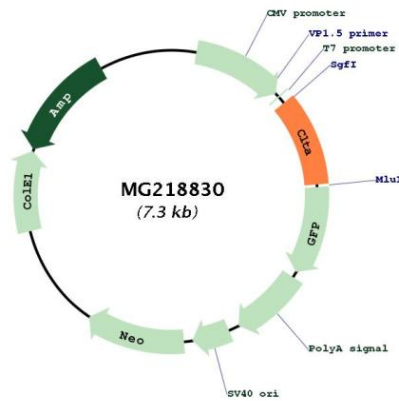
**RefSeq ORF:** 711 bp

**Locus ID:** 12757

**Cytogenetics:** 4 B1

**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 MG218830