

Product datasheet for **MC226429**

Clta (NM_001290470) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Clta (NM_001290470) Mouse Untagged Clone
Tag: Tag Free
Symbol: Clta
Synonyms: AV026556; Lca
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226429 representing NM_001290470
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGAGTTGGATCCATTCGGCGCTCCCGCCGGTGCGCCGGTGGCCCCGCTCTAGGAAACGGGGTGG
CGGGCCCGCGAAGAAGACCCGGCCGGCCTTCTTGCGCAGCAAGAGAGTGAGATTGCGGGCATCGA
GAACGATGAGGCCTTCGCCATCCTGGACGGCGGCCCGCCCGGCGCAGCCACACGGCGAGCCCGCGGA
GGTCCGGATGCTGTTGACGGAGTGATGAATGGTGAATACTACCAGGAGAGCAATGGTCCAACAGACAGTT
ACGCAGCCATTTCAGAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAGTGGAGAGAAGAGCA
GACAGAGCGCCTGGAAGCCCTCGATGCCAATTCTCGGAAGCAAGAAGCGGAGTGGAAAGAAAAGGCGATA
AAGGAGCTGGAAGAGTGGTATGCGAGGCAGGACGAGCAGTACAGAAGACAAAGGCAAACAACAGCACA
ACATAAACCATCCTTGCTACAGCCTAGAACAGGCAGCAGAAGAAGCCTTTGTAACGACATTGACGAGTC
ATCCCCAGGCACTGAGTGGGAGCGGGTGGCCCCGCTGTGTGACTTTAACCCCAAGTCCAGCAAACAGGCC
AAAGATGTCTCTCGCATGCGCTCAGTCTCATCTCCCTGAAGCAGGCCCCCTGGTGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290470
Insert Size: 693 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290470.1</u> , <u>NP_001277399.1</u>
RefSeq Size:	1128 bp
RefSeq ORF:	693 bp
Locus ID:	12757
Cytogenetics:	4 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) lacks an alternate in-frame exon in the 3' coding region, compared to variant 2. It encodes isoform e, which is shorter than isoform b. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>