

## Product datasheet for MC208290

### Clta (NM\_001080385) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clta (NM_001080385) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clta
Synonyms:	AV026556; Lca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208290 representing NM_001080385 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGAGTTGGATCCATTTCGGCGCTCCCGCCGGTGCGCCGGTGGCCCCGCTCTAGGAAACGGGGTGG  
 CGGGCGCCGGCGAAGAAGACCCGGCCGGCCTTCTTGGCGCAGCAAGAGAGTGAGATTGCGGGCATCGA  
 GAACGATGAGGCCTTCGCCATCCTGGACGGCGGCCCGCCCGGCCGAGCCACACGGCGAGCCGCCGGGA  
 GGTCCGGATGCTGTTGACGGAGTGATGAATGGTGAATACTACCAGGAGAGCAATGGTCCAACAGACAGTT  
 ACGCAGCCATTTCAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAAGTGGAGAGAAGAGCA  
 GACAGAGCGCCTGGAAGCCCTCGATGCCAATTCTCGGAAGCAAGAAGCGGAGTGGAAAGAAAAGGCATA  
 AAGGAGCTGGAAGAGTGGTATGCGAGGCAGGACGAGCAGCTACAGAAGACAAAGGCAAAACAGGGTGG  
 CAGACGAAGCTTTCTACAAACAACCCCTTCGCTGACCTGATTGGTTATGTCACAAACATAAACCATCCTTG  
 CTACAGCCTAGAACAGGCAGCAGAAGAAGCCTTTGTAACGACATTGACGAGTCATCCCCAGGCACTGAG  
 TGGGAGCGGGTGGCCCGCTGTGTGACTTTAACCCCAAGTCCAGCAAACAGGCCAAAGATGTCTCTCGCA  
 TGCCTCAGTCCTCATCTCCCTGAAGCAGGCCCCCTGGTGCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001080385
Insert Size:	747 bp


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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001080385.1</u> , <u>NP_001073854.1</u>
<b>RefSeq Size:</b>	1199 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	12757
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	<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 (2) represents the longest transcript and encodes the longest 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>