

## Product datasheet for **MG227238**

### Cln3 (NM\_009907) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cln3 (NM\_009907) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cln3  
**Synonyms:** A1323623; batt  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG227238 representing NM\_009907  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAAGTTCTGCGGGCTCGTGGAGGCGCCTTGAGGATTCTGAGAGGGAGGAGACCGACTCAGAGCCCC  
 AGGCCCTCGGTTGGATAGTCGGAGTGTCTTTGGAAGAATGCAGTGGGTTCTGGATCTGGGTCTTTG  
 CAACAATTTCTCATATGTGGTATGCTGAGCGCTGCCATGACATCCTCAAGCAGGAGCAGGCGTCTGGA  
 AACAGAGCCATGTAGAACCAGGCCAACACCCACACCCACAACAGCTCATCTCGATTTGACTGCAACT  
 CCATCTCCACAGCTGCGGTGCTCTAGCAGACATCCTTCCACCCTTGTCATCAAACCTCTGGCGCCTCT  
 TGGCCTTCACTTGTGCCTTACAGCCCCGGGTGCTCGTCAGTGGAGTTTGTCTGCTGGGAGCTTTGTT  
 CTGGTTGCCTTCTCTCAGTCAGTGGGTTAAGCCTGTGTGGAGTGGTTTTGGCCAGCATCTCCTCAGGGC  
 TAGGGGAGGTCACCTTCTCTCACTGACTGCCTTCTACCCAGTGTGTGATCTCATGGTGGTCTTCGGG  
 TACCGGGGTGCAGGGCTTCTGGATCGCTGTCTTACCTGGGACTCACCCAGGCTGGCCTCTCCCGCAG  
 CACACCTACTTTCTATGTTGGGATCCCTGTTCTGCTGCTAGCCAGCTATTTCTGTTGCTCACGTCTC  
 CTGAACCCCTGGACCCTGGAGGGGAAAACGAGGCAGAGACTGTGCCCGGAGCCTCTCATAGGCACCGA  
 GACCCAGAGTCAAAGCCAGGTGCCAGCTGGGACCTCTCCCTCCAGGAAAGGTGGACAGTGTCAAGGGT  
 CTCTTGTGGTACATCATCCCTCTGGTGTGGTCTACTTTGAGAATACTTTATCAACCAGGGACTTTTCG  
 AGCTCCTGTTTTCCGGAACACTTCCCTAAGCCATGCTCAGCAGTACCGATGGTACCAGATGCTATACCA  
 GGCTGGTGTGTTGCGCTCCCGCTTCTCTCCAATGTTGCCGAATACGGTTCACCTGGGTCTAGCCCTG  
 CTCCAGTGCCTCAACCTGGCCCTCTGCTGGCAGATGTCTGCTTGAACCTCTTGCCAGCATCTACCTCA  
 TCTTCATCATATTCTGTACGAAGGCTCTGGGTGGGGCCGCTTACGTGAATACCTTCCACAACATTGC  
 TCTGGAGACCAGTGACAAGCACCGAGAGTTGCCATGGAAGCTGCCTGTATCTCTGACACCTTGGGAATC  
 TCCCTGTCGGGGTCTGGCCCTGCCTCTGCATGACTTCTCTGCACCTCCCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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Protein Sequence: >MG227238 representing NM\_009907  
 Red=Cloning site Green=Tags(s)

MGSSAGSWRRLEDSEEREETDSEPQAPRLDSRSLWKNVGFWILGLCNNFSYVVMLSAAHDILKQEASG  
 NQSHVEPGPTTPHNSSSRFDCNSISTAAVLLADILPTLVIKLLAPLGLHLLPYSRVLVSGVCSAGSFV  
 LVAFSQVGLSLCGVVLASISSGLGEVTFLSLTAFYPSAVISWWSGGAGLLGSLSYLGLTQAGLSPQ  
 HTLLSMLGIPVLLLASFYLLLTSPLEPLDPGGENAETAARQPLIGTETPESKPGASWDLSLQERWTVFKG  
 LLWYIIPLVLVYFAEYFINQGLFELLFFRNTSLSHAQQYRWYQMLYQAGVFASRSSLQCCIRFTWWLAL  
 LQCLNLALLLADVCLNFLPSIYLIFIIILYEGLLGAAAYNTFHNIALETSDKHREFAMEAACISDTLGI  
 SLSGVLALPLHDFLCHLP

TRTRPLE - GFP Tag - V

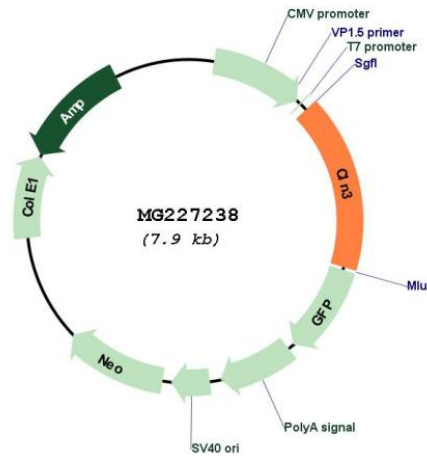
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_009907

<b>ORF Size:</b>	1314 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_009907.3</a> , <a href="#">NP_034037.3</a>
<b>RefSeq Size:</b>	2375 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	12752
<b>UniProt ID:</b>	<a href="#">Q61124</a>
<b>Cytogenetics:</b>	7 69.16 cM
<b>Gene Summary:</b>	<p>This gene encodes a transmembrane protein called battenin that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis genes, cause a number of neurodegenerative diseases collectively known as neuronal ceroid lipofuscinoses, the most common of which is juvenile neuronal ceroid-lipofuscinosis (Batten disease). Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016]</p>