

Product datasheet for **MG206982**

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: >MG206982 representing NM_009907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAAGTTCTGCGGGCTCGTGGAGGCGCCTTGAGGATTCTGAGAGGGAGGAGACCGACTCAGAGCCCC
 AGGCCCTCGGTTGGATAGTCGGAGTGTCTTTGGAAGAATGCAGTGGGTTCTGGATCTGGGTCTTTG
 CAACAATTTCTCATATGTGGTATGCTGAGCGCTGCCATGACATCCTCAAGCAGGAGCAGGCGTCTGGA
 AACAGAGCCATGTGGAACAGGCCAACACCCACACCCACAACAGCTCATCTCGATTTGACTGCAACT
 CCATCTCCACAGCTGCGGTGCTCTAGCAGACATCCTTCCACCCTTGTCATCAAACCTCTGGCGCCTCT
 TGGCCTTCACTTGTGCCTTACAGCCCCGGGTGCTCGTCAGTGGAGTTTGTCTGCTGGGAGCTTTGTT
 CTGGTTGCCTTCTCTCAGTCAGTGGGTTAAGCCTGTGTGGAGTGGTTTTGGCCAGCATCTCCTCAGGGC
 TAGGGGAGGTCACCTTCTCTCACTGACTGCCTTCTACCCAGTGTGTGATCTCATGGTGGTCTTCGGG
 TACCGGGGTGCAGGGCTTCTGGATCGCTGTCTTACCTGGGACTCACCCAGGCTGGCCTCTCCCGCAG
 CACACCTACTTTCTATGTTGGGATCCCTGTTCTGCTGCTAGCCAGCTATTTCTGTGGTCTCACGTCTC
 CTGAACCCCTGGACCCTGGAGGGGAAAACGAGGCAGAGACTGTGCCCGGAGCCTCTCATAGGCACCGA
 GACCCAGAGTCAAAGCCAGGTGCCAGCTGGGACCTCTCCCTCCAGGAAAGGTGGACAGTGTCAAGGGT
 CTCTTGTGGTACATCATCCCTCTGGTGTGGTCTACTTTGAGAATACTTTATCAACAGGGACTTTTCG
 AGCTCCTGTTTTCCGGAACACTTCCCTAAGCCATGCTCAGCAGTACCGATGGTACCAGATGCTATACCA
 GGCTGGTGTGTTGCGCTCCCGCTTCTCTCCAATGTTGCCGAATACGGTTCACCTGGGTCTAGCCCTG
 CTCCAGTGCCTCAACCTGGCCCTCTGCTGGCAGATGTCTGCTTGAACCTCTTGGCCAGCATCTACCTCA
 TCTTCATCATATTCTGTACGAAGGCTCTGGGTGGGGCCGCTTACGTGAATACCTTCCACAACATTGC
 TCTGGAGACCAGTGACAAGCACCGAGAGTTGCCATGGAAGCTGCCTGTATCTCTGACACCTTGGGAATC
 TCCCTGTCGGGGTCTGGCCCTGCCTCTGCATGACTTCTCTGCACCTCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206982 representing NM_009907
 Red=Cloning site Green=Tags(s)

MGSSAGSWRRLEDSEEREETDSEPQAPRLDSRSVLWKNVGFWILGLCNNFSYVVMLSAAHDILKQEASG
 NQSHVEPGPTPTPHNSSRFDCNSISTAAVLLADILPTLVIKLLAPLGLHLLPYSRVLVSGVCSAGSFV
 LVAFSQSVGLSLCGVVLASISSGLGEVTFLSLTAFYPSAVISWWSGGAGLLGSLSYLGLTQAGLSPQ
 HTLLSMLGIPVLLLASFYFLLLSPEPLDPGGENEATAARQPLIGTETPESKPGASWDLSQLERWTVFKG
 LLWYIIPLVLVYFAEYFINQGLFELLFFRNTSLSHAQQYRWYQMLYQAGVFASRSSLQCCIRFTWVLA
 LQCLNLALLLADVCLNLFPSIYLIFIIILYEGLLGAAAYNTFHNIALETSDKHREFAMEAACISDTLGI
 SLSGVLALPLHDFLCHLP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_009907

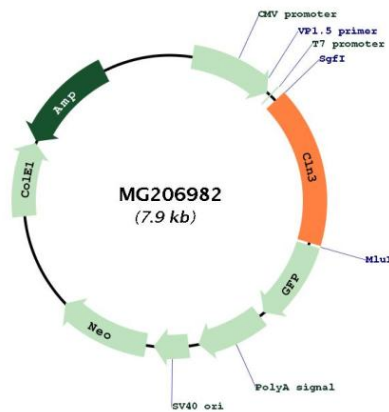
ORF Size: 1314 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009907.4](#)
- RefSeq Size:** 2375 bp
- RefSeq ORF:** 1317 bp
- Locus ID:** 12752
- UniProt ID:** [Q61124](#)
- Cytogenetics:** 7 69.16 cM
- Gene Summary:** 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]

Product images:



Circular map for MG206982