

## Product datasheet for **RG201904**

### CLN6 (NM\_017882) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLN6 (NM_017882) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLN6
Synonyms:	CLN4A; HsT18960; nclf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201904 representing NM_017882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCGACGCGGAGGCGGCAGCACCTGGGAGCGACGGGCGGCCAGGCGCGCAGCTGGGCGCCTCCT  
TCCTGCAGGCCAGGCATGGCTCTGTGAGCGCTGATGAGGCTGCCCGCACGGCTCCCTCCACCTCGACCT  
CTGGTTCTACTTCACACTGCAGAACTGGGTTCTGGACTTTGGGCGTCCATTGCCATGCTGGTATCCCT  
CTCGAGTGGTTTCACTCAACAAGCCCAGTGTGGGACTACTTCCACATGGCCTACAACGTCATCAGC  
CCTTTCTCTTGTCAAGCTCATCGAGCGGTCCCCCGCACCTGCCACGCTCCATCACGTACGTGAGCAT  
CATCATCTTCATCATGGGTGCCAGCATCCACCTGGTGGGTGACTCTGTCAACCACCGCTGCTTTCAGT  
GGTACCAGCACCACTGTCTGTCCGTGAGAACCCTCATCAAGAATCTCAAGCCGGAGACGCTGATCG  
ACTCCTTTGAGCTGCTCTACTATTATGATGAGTACCTGGGTCACCTGCATGTGGTACATCCCTTCTTCT  
CATCCTTTATGTACTTCAGCGGCTGCTTACTGCCTCTAAAGCTGAGAGCTTGATTCCAGGGCCTGCC  
CTGCTCCTGGTGGCACCCAGTGGCCTGTACTACTGGTACCTGGTACCCGAGGGCCAGATCTTCATCCTCT  
TCATCTTACCTTCTTCGCCATGCTGGCCCTCGTCTGCACCAGAAGCGCAAGCGCCTTCTCCTGGACAG  
CAACGGCCTTCTCCTTCTCCTCCTTCGCACTGACCTCTTGTGTGGCGCTGGGTGCCTGGCTG  
TGAATGACCCTGTTCTCAGGAAGAAGTACCCGGGTGTCATCTACGTCCCTGAGCCCTGGGCTTTCTACA  
CCCTTACGTCAGCAGTCGGCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201904 representing NM\_017882  
Red=Cloning site Green=Tags(s)

MEATRRRQHLGATGGPGAQLGASFLQARHGVSVADEAARTAPFHLDLWFYFTLQNWVDFGRPIAMLVFP  
 LEWFPLNKPSVGDYFHMAYNVITPFLLLKLIERSPRTLPRISITYVSIIFIMGASIHVGDVSNHRLIFS  
 GYQHLSVRENPIIKNLKPETLIDSFELLYYYDEYLGHCMWYIPFFLILFMYFSGCFTASKAESLIPGPA  
 LLLVAPSGLYYWYLVTEGQIFILFIFTFFAMLALVLHQKRKRLFLDSNGLFLFSSFALTLVVAVLWVAVL  
 WNDPVLRRKKYPGVIIYVPEPWAFYTLHVSSRH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_017882

**ORF Size:** 933 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\\_017882.3](#)

**RefSeq Size:** 2227 bp

**RefSeq ORF:** 936 bp

**Locus ID:** 54982

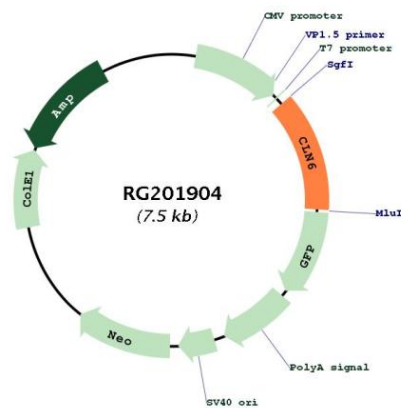
**UniProt ID:** [Q9NWW5](#)

**Cytogenetics:** 15q23

**Protein Families:** Transmembrane

**Gene Summary:** This gene is one of eight which have been associated with neuronal ceroid lipofuscinoses (NCL). Also referred to as Batten disease, NCL comprises a class of autosomal recessive, neurodegenerative disorders affecting children. The genes responsible likely encode proteins involved in the degradation of post-translationally modified proteins in lysosomes. The primary defect in NCL disorders is thought to be associated with lysosomal storage function. [provided by RefSeq, Oct 2008]

### Product images:



Circular map for RG201904