

Product datasheet for RC201904

CLN6 (NM_017882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLN6 (NM_017882) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLN6
Synonyms:	CLN4A; HsT18960; nclf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201904 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGACGCGGAGGCGGCAGCACCTGGGAGCGACGGCGGCCAGGCGCGCAGCTGGGCGCCTCT
TCCTGCAGGCCAGGCATGGCTCTGTGAGCGCTGATGAGGCTGCCCGCACGGCTCCCTCCACCTCGACCT
CTGGTTCTACTTCACACTGCAGAACTGGTTCTGGACTTGGGCGTCCCATTGCCATGCTGGTATCCCT
CTCGAGTGGTTTCACTCAACAAGCCCAGTGTGGGACTACTTCCACATGGCCTACAACGTCATCAGC
CCTTTCTCTTGTCAAGCTCATCGAGCGGTCCCCCGCACCTGCCACGCTCCATCACGTACGTGAGCAT
CATCATCTTCATCATGGGTGCCAGCATCCACCTGGTGGTGACTCTGTCAACCACCGCTGCTTTCAGT
GGTACCAGCACCACTGTCTGTCCGTGAGAACCCTCATCAAGAATCTCAAGCCGGAGACGCTGATCG
ACTCCTTTGAGCTGCTCTACTATTATGATGAGTACCTGGGTCACCTGCATGTGGTACATCCCTTCTTCT
CATCCTTTATGTACTTCAGCGGCTGCTTACTGCCTCTAAAGCTGAGAGCTTGATTCCAGGGCCTGCC
CTGCTCCTGGTGGCACCCAGTGGCCTGTACTACTGGTACCTGGTACCAGGGGCCAGATCTTCATCCTCT
TCATCTTACCTTCTTCGCCATGCTGGCCCTCGTCTGCACCAGAAGCGCAAGCGCCTTTCCTGGACAG
CAACGGCCTTTCCTTCTCCTCCTTCGCACTGACCTCTTGTGTGGCGCTGGGTGCCTGGCTG
TGAATGACCTGTTCTCAGGAAGAAGTACCGGGTGTATCTACGTCCCTGAGCCCTGGGCTTTCTACA
CCCTTCACGTACGAGTCCGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201904 protein sequence
Red=Cloning site Green=Tags(s)

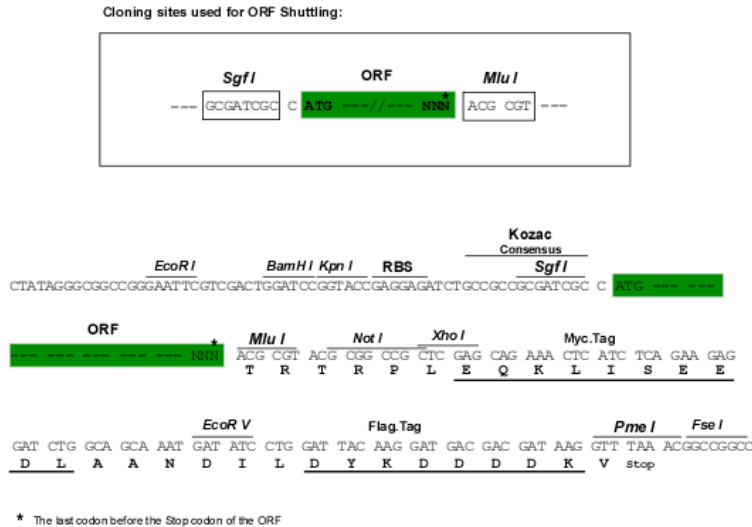
MEATRRRQHLGATGGPGAQLGASFLQARHGVSVADEAARTAPFHLDLWFYFTLQNWVDFGRPIAMLVFP
 LEWFPLNKPSVGDYFHMAYNVITPFLLLKLIERSPRTLPRSITYYSIIIFIMGASIHVGDVSNHRLIFS
 GYQHLSVRENPIKLNLPETLIDSFELLYYYDEYLVGHCMWYIPFFLILFMYFSGCFTASKAESLIPGPA
 LLLVAPSGLYYWYLVTEGQIFILFIFTFFAMLALVLHQKRKRLFLDSNGLFLFSSFALTLLLVALVWAWL
 WNDPVLRKKYPGVYVPEPWAFFYTLHVSSRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6193_f11.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017882.3](#)

RefSeq Size: 2258 bp

RefSeq ORF: 936 bp

Locus ID: 54982

UniProt ID: [Q9NWW5](#)

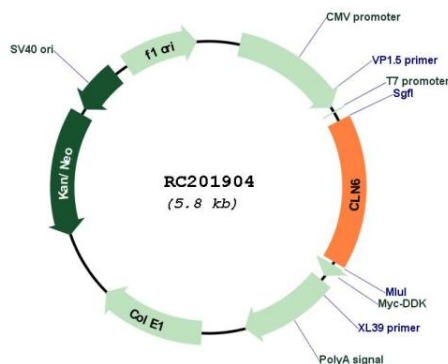
Cytogenetics: 15q23

Protein Families: Transmembrane

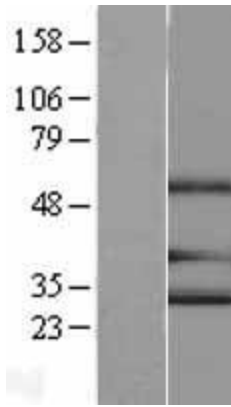
MW: 35.9 kDa

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]

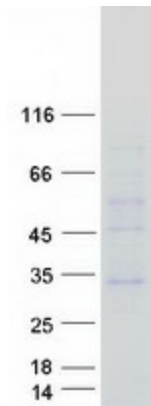
Product images:



Circular map for RC201904



Western blot validation of overexpression lysate (Cat# [LY402624]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201904 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CLN6 protein (Cat# [TP301904]). The protein was produced from HEK293T cells transfected with CLN6 cDNA clone (Cat# RC201904) using MegaTran 2.0 (Cat# [TT210002]).