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Product datasheet for SC113923

CLN6 (NM_017882) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLN6 (NM_017882) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN6
Synonyms:	CLN4A; HsT18960; nclf
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_017882 edited
GAATTCGGCACGAGGGGGCAGCCGAGCTGAACCGGTCTCTTCCTCGGAAAGGCAGGGCCG
AGGGGCCTGCGGGGCAGCCATGGAGGCGACGCGGAGGCGGCAGCACCTGGGAGCGACGGG
CGGCCCAGGCGCGCAGCTGGGCGCCTCCTTCCTGCAGGCCAGGCATGGCTCTGTGAGCGC
TGATGAGGCTGCCCGCACGGCTCCCTTCCACCTCGACCTCTGGTTCTACTTCACACTGCA
GAACTGGGTTCTGGACTTTGGGCGTCCCATTGCCATGCTGGTATTCCCTCTCGAGTGGTT
TCCACTCAACAAGCCCAGTGTTGGGGACTACTTCCACATGGCCTACAACGTCATCACGCC
CTTTCTCTTGCTCAAGCTCATCGAGCGGTCCCCCCGCACCCTGCCACGCTCCATCACGTA
CGTGAGCATCATCATCTTCATCATGGGTGCCAGCATCCACCTGGTGGGTGACTCTGTCAA
CCACCGCCTGCTCTTCAGTGGCTACCAGCACCACCTGTCTGTCCGTGAGAACCCCATCAT
CAAGAATCTCAAGCCGGAGACGCTGATCGACTCCTTTGAGCTGCTCTACTATTATGATGA
GTACCTGGGTCACTGCATGTGGTACATCCCCTTCTTCCTCATCCTCTTCATGTACTTCAG
CGGCTGCTTTACTGCCTCTAAAGCTGAGAGCTTGATTCCAGGGCCTGCCCTGCTCCTGGT
GGCACCCAGTGGCCTGTACTACTGGTACCTGGTCACCGAGGGCCAGATCTTCATCCTCTT
CATCTTCACCTTCTTCGCCATGCTGGCCCTCGTCCTGCACCAGAAGCGCAAGCGCCTCTT
CCTGGACAGCAACGGCCTCTTCCTCTTCTCCTCCTTCGCACTGACCCTCTTGCTTGTGGC
GCTCTGGGTCGCCTGGCTGTGGAATGACCCTGTTCTCAGGAAGAAGTACCCGGGTGTCAT
CTACGTCCCTGAGCCCTGGGCTTTCTACACCCTTCACGTCAGCAGTCGGCACTGAGTCCC
TGGCACCAGGCTCTGGCGCTCTGCTGGGTGGGAGGGTGGGCCATGGAGGGCATCTGAATA
CAGGAGTAGGGGGGGTGTGGGTGTGTAACCAGAGACCGAGAGCATGAGTGGGGTGTGCCT
CGTGTGCGTGGATTCGTGTGTGTGTGTGTGTCTTGTATATGTGTGCGCAGAGTGCATCAT
TTTCAGACTCTACTATTTCCGTCAAGTTTCTGTTTGATTTGGATCATCTCAGGATCGGAT
TCTGTTTTAGAGTGTTTCTGGGCCAGGATCCGGGCCCCTGCCCTCCTCTGCACCTGACCA
CACTCCCTACTCAGGGCTAGTCTGTTCTTCCCGGACATCTTCTGGTAGCCGTGCAGGAGA
GGGCTGGGTGGGGCAGAGGCCAGGAGGGGACCTGGTGTGTCACCTGCCCACCACCTGGCT
CATCCCTCAGGCCCACCCTGACCCTACATTACATAGGTTACGTCAGCCTACTGTGGCTGT
TGAGCAAAGCATTTCTCCTTTCTGGGCCTCATTTGCACTAGATGGGCCTGTGGTCCAAAG
TAGGTCAGTAGGTTGGGGTTGCTGACACCCCTTGGGTGCAGCTTTGGGACAGATGAGTGG
CTCTGTCCTGTCACTGCCCTCTCCCTGCCTGGGGGCTATGTGCACTCCAGACCCCTGCCC
AGGCTCAGGCCCATGAGGTATGGAGACACCCTGGCCCCCAGGAGCTGGAGGCACCGCCCA
CTCCCCTGGCATTCCAGCTTTGCAGGTGACCCTCCTCTACCCAAAGCTCTGTCCCCCTGC
TCCCACTCCAGAAGAACTGCGGCACGTGCTTCGGGCAGCCTAGCCACAGGCTTTGAGCGC
CTGCATTCCTGGGGGCTGGAGGGTGGGGTGCCAAAGGCCCTGAGCAAAAGCCAGAGCTCC
TCTCATCAAAGCCTTTACAAGGTGCTGGGCCCAGAGGCTTTGCCTTGACAGAGTGGCCCA
GGGTTTCAAGGGAGGAGGAACCTCCCCCTACCTAGGACCCTTCCTGTGGGGGGTCTACAG
AGTCAGGGACAGAAGGGAAGGGACCCACAGGAAGTCACAGTGGTGCCCAGGGATGTGTCA
GCCCCCAGCCACGGGGACGCGGGATTCAAGAATGAAGTAAATACAGTCACAGCCCCAAAA
AAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017882 unedited
GGGTGTTTAGATTTGTATACGACTCACTATAGGCGGCCGCGAATCGGCACGAGGGGGCAG
CCGAGCTGAACCGGTCTCTTCCTCGGAAGGCAGGGCCGAGGGGCCTGCGGGGCAGCCATG
GAGGCGACGCGGAGGCGGCAGCACCTGGGAGCGACGGGCGGCCCAGGCGCGCAGCTGGGC
GCCTCCTTCCTGCAGGCCAGGCATGGCTCTGTGAGCGCTGATGAGGCTGCCCGCACGGCT
CCCTTCCACCTCGACCTCTGGTTCTACTTCACACTGCAGAACTGGGTTCTGGACTTTGGG
CGTCCCATTGCCATGCTGGTATTCCCTCTCGAGTGGTTTCCACTCAACAAGCCCAGTGTT
GGGGACTACTTCCACATGGCCTACAACGTCATCACGCCCTTTCTCTTGCTCAAGCTCATC
GAGCGGTCCCCCCGCACCCTGCCACGCTCCATCACGTACGTGAGCATCATCATCTTCATC
ATGGGTGCCAGCATCCACCTGGTGGGTGACTCTGTCAACCACCGCCTGCTCTTCAGTGGC
TACCAGCACCACCTGTCTGTCCGTGAGAACCCCATCATCAAGAATCTCAAGCCGGAGACG
CTGATCGACTCCTTTGAGCTGCTCTACTATTATGATGAGTACCTGGGTCACTGCATGTGG
TACATCCCCTTCTTCCTCATCCTCTTCATGTACTTCAGCGGCTGCTTTACTGCCTCTAAA
GCTGAGAGCTTGATTCCAGGGCCTGCCCTGCTCCTGGTGGCACCCAGTGGCCTGTACTAC
TGGTACCTGGTCACCGNAGGCCAGATCTTCATCCTCTTCATCTTCACCTTCTTCGCCATG
CTGGCCCTCGTCCTGCACCAAAAGCGCAAGCGCCTCTTCCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017882 unedited
GTACCAAAGCGGCNCTCNAGGTNCGAGAAAAAATCTTTTTTTTTTGGGGCTGTGACTGTT
TTTACTTCATTCTTGAATCCCGCGTCCCCGTGGCTGGGGGCTGACACATCCCTGGGCACC
ACTGTGACTTCCTGTGGGTCCCTTCCCTTCTGTCCCTGACTCTGTAGACCCCCCACAGGA
AGGGTCCTAGGTAGGGGGAGGGTCCTTCTCCTCNTAAACCCTGGGCCACTCTGTCAAGGC
AAAGCCTCTGGGCCCAGCACCTTGTAAAGGCTTTGATGAGAGGAGCTCTGGCTTTTGCTC
AGGGCCTTTGGCACCCCACCCTCCAGCCCCCAGGAATGCAGGCGCTCAAAGCCTGTGGCT
AGGCTGCCCGAAGCACGTGCCGCAGTTCTTCTGGAGTGGGAGCAGGGGGACAGAGCTTTG
GGTAGAGGAGGGTCACCTGCAAAGCTGGAATGCCAGGGGAGTGGGCGGTGCCTCCAGCTC
CTGGGGGCCAGGGTGTCTCCATACCTCATGGGCCTGAGCCTGGGCAGGGGTCTGGAGTGC
ACATAGCCCCCAGGCAGGGAGAGGGCAGTGACAGGACAGAGCCACTCATCTGTCCCAAAG
CTGCACCCAAGGGGTGTCAGCAACCCCAACCTACTGACCTACTTTGGACCACAGGCCCAT
CTAGTGCAAATGAGGCCCCAGAAGGAGAAATGCTCTGCTCAACAGCCACAGTAGGCTGAC
GTAACCTATGTAATGTATGGTCAAGGTGGGCCCTGAAGGATGAGCCACGTGGTGGGCAGG
TGACACACCAGGTCCCCCTCCTGGGCCTTTGGCCCACCCAGCCCTCTCCTGCACGGTTAC
CANAAGATGTCCCGGGAAGACAGACTACCCCTGAGTTAGGAGTGTGGGCCAAGTGCACAA
GAGGGCCAGGGCCCCCGATCCTGCCCACAACACTCTTAAAN

Restriction Sites: NotI-NotI

ACCN: NM_017882

Insert Size: 2350 bp

OTI Disclaimer: 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).

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_017882.1, NP_060352.1
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]