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Product datasheet for SC216069

CLC7 (CLCN7) (NM_001287) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CLC7 (CLCN7) (NM_001287) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CLCN7
Synonyms:	CLC-7; CLC7; HOD; OPTA2; OPTB4; PPP1R63
ACCN:	NM_001287
Insert Size:	1726 bp

View online »

Insert Sequence:

>SC216069 3'UTR clone of NM_001287
The sequence shown below is from the reference sequence of NM_001287. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTGGAGGAGCTCTCGCTGGCCCAGACGTGAGGCCCAGCCCTGCCCATAATGGGCACTGGCGCTGGCACC
CCGGCCCTTCTGCATTTCCTCCCGGAGTCACTGGTTTCTCGGCCCAAACCATGCTCCCCAGCAGTGGCA
ATGGCGAGCACCCTGCAGCTGGGCGGGCAGGCGGCAGGCGCGGAACTGACCCTCTCGCGGGACTGACCC
TGTTGTGGGCAGTGGTCTCCCCCCTTGGCGCCTCCTTGCGCAGGCCCAGCCTCCACTCTCCTCGTCTAG
GTTTCTTTACCTCCAGGGATCAGCTGTGTGTGTGTGACCTCCCTACCGGGCTATCGGCCTCTTGGGAGC
CAGCGGCAGGGCCGGCACCTGCGTGCCTGTGCCCGTGTGCGTGAGACAGAGCCCTTGCCCCTGCTGCTG
CCCCGAGGGCTGCCCTGCCCTGGAAGGGCCCCTCTGCCTCCACACCAGTGGAGTCTTCGAGACTTGGGA
GCTGCTTGGCCTCATTTTCAGCCATGAGCAGACGGCCTGTGGTCCCTGGGCCTGAGGCACGGACTCGTA
GCACCAGGGTTTGGAGGCTGCGACCGCCCCGGAGAGCAGCTTCACACTGGCGCCACAGAGGAGCCCCAC
GTGCACTCCCCGGCCTGCATCCGGCTTGGGTACACAGGCCCAGAGGACTGGGGTGACTCACGGGCCCTG
TGCTGTGATGTTGAGAGCTGAGAAAAACCTCCAAGGCCCTGAGCCCCATGCCCAGCCCTGCCTTGGTCC
CCCAACCCCCAGAGCTTGGAGTCTGGGCCCCACACCCAGCCCTGCCTTGGTCCCTGAGCCTCAGAGCGT
GGAATTGCTGCCCTGTGGACACTGGCTGGGAAGGCAGGTCTTCCCCTAGCACATGGGGACCCCGGCCTC
GAGGGTGACCTCCCTACCCCGCCCCTGCCAGCCACCAAGCGCAGGTGCAGCGGGGGCCAGACTCCTGCC
GGCCTCAGAGGACACCTGGCCCAGCACAGGCAGCTAGAAGGGCCGGTGGGCACCGGGGCCGGGAAGCCC
CCACCTCACCACCTGAGGGCCCCTGGGAGGCTCCTCTGGCCTGGCTGGGCTGGGTCTGGGGCCGCCACA
GGCCCCTCACGGGGCGGCAGAGGCAACTTCAGTGTCCCTGTTAGAGCAACACGGGTCCCTCCGTGGGGG
GCTGGGTGCGGCCCCCTGCCGTGTATTTCCTCCCCAGGGAGTGGGGCCTCCCCGGGAGCTGACGCCACC
ACCCTGCTTAGCCCTCACAGGGCCCCAAGGTGTCCGAGTGTGTTGGGTCTGAACGCGAAATAAAGAAAT
CCTCTCAGCCCGCCTTTGCCAGCGTCGTCCCTCCCACCCCACCCAGACCACGTCCAACAGCCTGGGACT
TTCGGGACCCTGGGGTCGGGGCACCGTGTGGAGTGAGAAAGGCGTGAAAGACAGCGGCTGCGGCCACCC
AGGGCACCAGCCACATCCTCTTCCTCGTCCCCGCCCCTCAGCCTCCCTCCTCTGGCTCCTGGCTGGTGG
GTCTGGGGGCAAGGCAGAGGCGCTCCAGGTGGAGGGGGGCGGGCCGGGGTGCCCACGCTGGGGTGACGC
AAGAAGAAAACTCCCGGGCCTCAGAGTCGGCGCCGGAAACCTAGGTCTGGGTTTCCCTCGTGGTGGTTG
TGTACTGAGGACCTGGAAGTGATCATATTTTGGATATATTCGGTTAAATAAAATCAGCGGTTAGGATTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001287.6

Summary: The product of this gene belongs to the CLC chloride channel family of proteins. Chloride channels play important roles in the plasma membrane and in intracellular organelles. This gene encodes chloride channel 7. Defects in this gene are the cause of osteopetrosis autosomal recessive type 4 (OPTB4), also called infantile malignant osteopetrosis type 2 as well as the cause of autosomal dominant osteopetrosis type 2 (OPTA2), also called autosomal dominant Albers-Schonberg disease or marble disease autosoml dominant. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. OPTA2 is the most common form of osteopetrosis, occurring in adolescence or adulthood. [provided by RefSeq, Jul 2008]

Locus ID: 1186

MW: 60.2