

Product datasheet for SC318649

CLTCL1 (NM_007098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLTCL1 (NM_007098) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLTCL1
Synonyms:	CHC22; CLH22; CLTCL; CLTD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318649 representing NM_007098. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCAGATCCTCCCTGTTTCGCTTTCAGGAGCACTTCCAGCTCCAAAACCTTGGAAATTAATCCAGCT
AACATTGGATTACGACACTGACCATGGAATCTGACAAGTTCATATGTATCCGAGAGAAAGTTGGTGAG
CAGGCACAGGTCACGATCATTGACATGAGTGACCAATGGCTCCGATCCGACGGCCTATCTCTGCAGAG
AGTGCCATCATGAATCCAGCCTCTAAGGTGATAGCTCTGAAAGCTGGGAAGACACTTCAGATCTTTAAT
ATTGAGATGAAGAGTAAAATGAAGGCTCATACTATGCCAGAAGAAGTGATTTTCTGGAAATGGGTTTCT
GTGAACACTGTTGCCTTGGTGACCGAGACCGCGGTCTACCACTGGAGCATGGAAGGTGACTCCCAGCCC
ATGAAGATGTTTGATAGACATACCAAGTCTGGTGGGCTGCCAGGTGATTAATCCAGGACTGATGAGTAC
CAGAAGTGGCTGCTGCTCGTAGGCATCTCGGCTCAGAAAACCGTGTGGTTGGAGCAATGCAGCTCTAC
TCTGTGGATAGGAAGTTTCCAAACCCATAGAAGGCCATGCTGCGGCTTTTGCAGAGTTCAAGATGGAG
GGGAATGCCAAGCCTGCCACCCTTTTCTGCTTGTGTACGTAATCCACAGGAGGCAAGTTGCACATC
ATTGAAGTTGGACAGCCTGCAGCGGAAACCAACCTTTTGTAAAGAAAGCAGTAGATGTGTTTTTCTCCT
CCAGAGGCACAGAATGATTTTCCAGTGGCTATGCAGATTGGAGCTAAACATGGTGTATTTACTTGTATC
ACAAAGTATGGCTATCTTCATCTGTACGACCTAGAGTCTGGCGTGTGCATCTGCATGAACCGTATTAGT
GCTGACACAATATTTGTCACTGCTCCACACAAACCAACCTTGGAAATTTGGTGTCAACAAAAGGGA
CAGGACTGTGAGTTTGTGTTGAGGAAGATAACATTTGTAATTATGCAACCAACGTGCTTCAGAATCCA
GACCTTGGTCTGCGTTTGGCCGTTCTGATAGTAACTGGCTGGGGCAGAGAAGTTGTTTGTGAGAAAATTC
AATACCCTCTTTGCACAGGGCAGCTATGCTGAAGCCGCCAAAGTTGCAGCGTCTGCACCAAGGGAATC
CTGCGTACCAGAGAGACGGTCCAGAAAATCCAGAGTATACCCGCTCAGTCTGGCCAGGCTTCTCCATTG
CTGCAGTACTTCGGAATCCTGCTCGACCAGGGTCAGCTCAATAAACTTGAATCCTTAGAACTTTGCCAT
CTGTTTCTTCAGCAGGGCGTAAGCAACTCCTAGAGAAGTGGCTGAAAGAAGATAAGCTGGAGTGCTCA
GAGGAGCTCGGAGACTTGGTCAAACCACTGACCCATGCTCGCTGAGTGTGTACCTCGGGCAAAT
GTGCCAAGCAAAGTGATCCAGTGTTCAGAAAACAGGCCAATCCAGAAAATTGTGCTCTATGCCAAA
```



[View online >](#)

AAGGTTGGGTACACCCAGACTGGATCTTTCTGCTGAGGGGTGTAATGAAGATCAGTCCGGAACAGGGC
 CTGCAGTTTTCTCGAATGCTAGTGCAGGACGAGGACCGCTGGCCAACATTAGCCAGATTGTGGACATT
 TTCATGGAAAACAGTTTAAATTCAGCAGTGTACTTCCTTCTTATTGGATGCCTTGAAGAATAATCGCCCA
 GCTGAGGGACTCCTGCAGACATGGCTGTTGGAGATGAACCTTGTTTCATGCACCCAGGTTGCAGATGCC
 ATCCTTGAAAATAAAATGTTTACTCATTACGACCGGGCCACATTGCCAGCTCTGTGAGAAGGCAGGC
 CTCCTGCAGCAAGCACTGGAGCACTACACCGACCTCTATGACATCAAGAGGGCTGTGGTCCACACTCAC
 CTCCTCAATCCCGAGTGGCTTGCAATTTCTTTGGCTCCTTATCGGTGGAGGATTCGTGGAGTGTCTG
 CATGCCATGCTGTCTGCTAACATCAGACAGAACCTTCAGCTGTGTGTGCAGGTGGCCTCTAAGTACCAC
 GAGCAGCTGGGCACGCAGGCCCTGGTGGAGCTCTTTGAATCCTTCAAGAGTTACAAGGCCCTCTTCTAC
 TTCCTGGGCTCAATCGTGAACCTCAGCCAAGACCCAGATGTGCATCTGAAATACATTAGGCTGCCTGT
 AAGACAGGGCAGATCAAGGAGGTGGAGAGGATATGCCGAGAGAGCAGCTGCTACAACCCAGAGCGTGTG
 AAGAACTCCTGAAGGAGGCCAAGCTCACAGACCAGCTTCCCCTCATCATCGTGTGTGATCGTTTTGGC
 TTTGTCCATGACCTTGCCTATATTTATACCGCAACAACCTGCAGAGGTACATTGAGATCTACGTGCAG
 AAGGTCAACCCTAGCCGGACCCAGCTGTGATTGGAGGGCTGCTTGATGTGGATTGTTCTGAGGAAGTG
 ATTAACAACCTTAATCATGGCAGTGAAGGACAGTTCTCTACTGATGAGTTGGTGGCTGAAGTAGAAAA
 AGAAATAGGCTCAAGCTGCTGCTCCCTGGCTGGAGTCCCAGATTCAAGGAAGGCTGTGAGGAGCCTGCC
 ACTCACAATGCACTGGCTAAAATCTACATCGACAGCAACAACAGCCCGAGTGTCTCCTGAGAGAGAAT
 GCCTACTATGACAGCAGCGTGGTGGGCCCTACTGTGAGAAGCGAGACCCCATCTGGCCTGTGTTGCC
 TATGAGCGGGGACAGTGTGACCTTGAGCTCATCAAGGTGTGCAATGAGAATTCTCTGTTCAAAGCGAG
 GCCCGCTACCTGGTATGCAGAAAGGATCCGGAGCTCTGGGCTCACGTCTTGAGGAGACCAACCCATCC
 AGGAGACAGCTAATTGACCAGGTGGTACAGACAGCATTGTGAGAAACACGGGATCCTGAAGAGATTTG
 GTCACTGTCAAAGCCTTTATGACAGCCGACCTGCCTAATGAACTGATTGAACTGCTGGAGAAGATAGTT
 CTGGATAACTCTGTCTTACGAGCAGCAGGAATCTACAGAATCTGTTGATCCTGACTGCCATCAAGGCA
 GACCGCACACGGGTCATGGAGTACATCAGCCGCCTGGACAACCTATGACGCACTGGACATCGCGAGCATC
 GCTGTGACGAGCGCACTGTATGAGGAGGCCCTTACCCGTTTTCCACAAGTTTGATATGAATGCCTCAGCA
 ATCCAGGTCTGATCGAGCACATTGAAACCTGGACCGGCATATGAGTTTTCGGAGAGATGCAATGAG
 CCTGCTGTGTGGAGTCACTGGCCCAAGCCAGCTCCAGAAAGATTTGGTGAAGGAAGCCATCAACTCC
 TATATCAGAGGGGACGACCCTTCTTACCTGGAAGTTGTTGAGTCAAGCAGCAGGAGCAACAACCTGG
 GAGGATCTAGTTAAATTTCTGCAGATGGCCAGGAAAAAGGGCCGTGAGTCCTATATAGAGACTGAACCT
 ATTTTTGCCTTGGCTAAAACAGCCGTGTTTCTGAGCTAGAAGATTTTATAATGGACCAACAATGCC
 CACATCCAGCAGGTTGGAGACCCTGTTACGAGGAGGGAATGTACGAGGCTGCCAAGCTGCTCTATAGC
 AATGTTTTCTAACTTTGCCGCCTGGCTTCCACCTTGGTTACCTCGGTGAGTATCAGGCAGCAGTGGAC
 AACAGCCGAAGGCCAGCAGCACCCGGACGTGGAAGGAGGTGTGCTTTGCCTGCATGGATGGACAAGAG
 TTCCGCTTCGCACAGCTGTGTGGTCTTACATCGTCATTTCATGCAGATGAGCTGGAGGAGCTGATGTGC
 TATTACCAGGATCGTGGCTACTTTGAGGAGCTGATCTTGTGTTGGAAGCGGCCCTGGCCCTGGAGCGG
 GCCACATGGGCATGTTCACTGAGCTGGCCATCCTCTACTCCAAATTCAGCCACAGAAGATGCTGGAG
 CATCTGGAGCTTTTCTGGTCCCCTGTCAACATCCCAAAGGTGCTGAGGGCTGCAGAGCAGGCACACCTG
 TGGGCTGAGCTGGTGTCTCTATGACAAGTACGAGGAGTATGACAATGCTGTGCTCACCATGATGAGC
 CACCCACTGAGGCCCTGGAAGGAGGGTCAGTTCAAGGACATCATTACCAAGGTTGCCAACGTCGAGCTC
 TGTACAGAGCCCTGCAGTTCTATTTGGATTACAACCCTGCTCATCAATGACCTGCTGCTGGTGTCTT
 TCAACCCGGCTGGACCACACCTGGACAGTCAGTTTCTTTTCAAAGGCAGGTGAGCTGCCCTGGTGAAG
 CCTTACCTGCGGTGAGTCCAGAGCCACAACAAGAGTGTGAATGAGGCACTCAACCACCTGCTGACA
 GAGGAGGAGGACTATCAGGGCTTAAAGGCATCTATCGATGCCTATGACAACCTTGAACAACATCAGCCTG
 GCTCAGCAGCTGGAGAAGCATCAGCTGATGGAGTTCAGGTGCATTGCGGCCTATCTGTACAAGGGCAAT
 AACTGGTGGGCCAGAGCGTGGAGCTCTGCAAGAAGGATCATCTCTACAAGGATGCCATGCAGCATGCT
 GCAGAGTCGCGGGATGCTGAGCTGGCCAGAAGTTGCTGCAGTGGTTCCTGGAGGAAGGCAAGAGGGAG
 TGCTTCGACGCTTGTCTTTCACCTGCTATGACCTGCTTCGCCAGACATGGTGTGCTGAGCTGGCCTGG
 AGGCACAACCTCGTGGACTTGGCCATGCCTACTTCATCCAGGTGATGAGGGAGTACCTGAGCAAGGTG
 GACAAACTGGATGCCTTGGAGAGTCTGCGCAAGCAAGAGGAGCATGTGACAGAGCCTGCCCTCTCGTG
 TTTGATTTTATGGGCATGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007098
Insert Size:	4923 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_007098.3
RefSeq Size:	5542 bp
RefSeq ORF:	4923 bp
Locus ID:	8218
UniProt ID:	P53675
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis, Huntington's disease, Lysosome
MW:	187 kDa
Gene Summary:	<p>This gene is a member of the clathrin heavy chain family and encodes a major protein of the polyhedral coat of coated pits and vesicles. Chromosomal aberrations involving this gene are associated with meningioma, DiGeorge syndrome, and velo-cardio-facial syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>