

Product datasheet for **SC303874**

CLTCL1 (NM_007098) Human Untagged Clone

Product data:

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| 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: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene ORF sequence for NM_007098 edited
 ATGGCGCAGATCCTCCCTGTTTCGCTTTTCAGGAGCACTTCCAGCTCCAAAACCTTGAATT
 AATCCAGCTAACATTGGATTTCAGCACACTGACCATGGAATCTGACAAGTTCATATGTATC
 CGAGAGAAAGTTGGTGAGCAGGCACAGGTCACGATCATTGACATGAGTGACCCAATGGCT
 CCGATCCGACGGCTATCTCTGCAGAGAGTGCCATCATGAATCCAGCCTCTAAGGTGATA
 GCTCTGAAAGCTGGGAAGACACTTCAGATCTTTAATATTGAGATGAAGAGTAAAAAGAAG
 GCTCATACTATGGCAGAAGAAGTGATTTTCTGGAAATGGGTTTCTGTGAACACTGTTGCC
 TTGGTGACCGAGACCGGGTCTACCACTGGAGCATGGAAGGTGACTCCAGCCCATGAAG
 ATGTTTGATAGACATACCAGTCTGGTGGGCTGCCAGGTGATCACTACCGGACTGATGAG
 TACCAGAAGTGGCTGCTGCTCGTAGGCATCTCGGCTCAGCAAAACCGTGTGGTTGGAGCA
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 TTTGCAGAGTTCAAGATGGAGGGGAATGCCAAGCCTGCCACCCTTTCTGCTTTGCTGTA
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 CAACCTTTTGTAAAGAAAGCAGTAGATGTGTTTTTCTCCAGAGGCACAGAATGATTTT
 CCAGTGGCTATGCAGATTGGAGCTAAACATGGTGTATTTACTTGATCACAAAGTATGGC
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 GACACAATATTTGCTACTGCTCCACACAAACCACTCTGGAATTATTGGTGTCAACACA
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 GAGGAGCTCGGAGACTTGGTCAAACCACTGACCCCATGCTCGCTCTGAGTGTGTACCTT
 CGGGCAAATGTGCCAAGCAAAGTATCCAGTGTGTTTGCAGAAACAGGCCAATCCAGAAA
 ATTGTGCTCTATGCCAAAAGGTTGGGTACACCCAGACTGGATCTTTCTGCTGAGGGGT



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GTAATGAAGATCAGTCCGGAACAGGGCCTGCAGTTTTCTCGAATGCTAGTGCAGGACGAG
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 GCCATCCTCTACTCCAAATTCAGCCACAGAAGATGCTGGAGCATCTGGAGCTTTTCTGG
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 CTGGTGTCTCTATGACAAGTACGAGGAGTATGACAATGCTGTGCTCACCATGATGAGC
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 GTCGAGCTCTGTTACAGAGCCCTGCAGTCTATTTGGATTACAAACCACTGCTCATCAAT
 GACCTGCTGCTGGTGTCTTACCCTGGCTGGACCACACCTGGACAGTCAGTTTCTTTTCA
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GGCAAGAGGGAGTGCTTCGCAGCTTGTCTCTTACCTGCTATGACCTGCTTCGCCAGAC
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CAGGTGATGAGGGAGTACCTGAGCAAGGTGGACAACTGGATGCCTTGGAGAGTCTGCGC
AAGCAAGAGGAGCATGTGACAGAGCCTGCCCTCTCGTGTGTTGATTTTGGATGGGCATGAA
TAG
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| Restriction Sites: | Please inquire |
| ACCN: | NM_007098 |
| Insert Size: | 5300 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_007098.1 , NP_009029.1 |
| RefSeq Size: | 5489 bp |
| RefSeq ORF: | 4881 bp |
| Locus ID: | 8218 |
| UniProt ID: | P53675 |
| Cytogenetics: | 22q11.21 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Endocytosis, Huntington's disease, Lysosome |
| 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> |