

Product datasheet for SC315275

CTC1 (NM_025099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CTC1
Synonyms:	AAF-132; AAF132; C17orf68; CRMCC; tmp494178
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_025099, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTGGCCGGGCCAGGTCCTTCCCGAACAAGCCTGGCTTGAGGATGCTCAG
GTCTTCATCCAAAAGACCCTGTGTCCAGCTGTCAAGGAGCCTAATGTCCAGTTGACTCCA
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 TGTGGAGAGCTCCCTTTCTGACTCACGTGAACCCAGGCTCCGATTGTCTGCCTTTCT
 ATCCGAGAGTCAGAGTACTCCAGCTCTCTGGGGATCCTTGCTTCTCTCTGT

Restriction Sites:

Please inquire

ACCN:

NM_025099

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:	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:	<u>NM_025099.2</u> , <u>NP_079375.2</u>
RefSeq Size:	4022 bp
RefSeq ORF:	3654 bp
Locus ID:	80169
UniProt ID:	<u>Q2NKJ3</u>
Cytogenetics:	17p13.1
Gene Summary:	This gene encodes a component of the CST complex. This complex plays an essential role in protecting telomeres from degradation. This protein also forms a heterodimer with the CST complex subunit STN1 to form the enzyme alpha accessory factor. This enzyme regulates DNA replication. Mutations in this gene are the cause of cerebroretinal microangiopathy with calcifications and cysts. Alternate splicing results in both coding and non-coding variants. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (1) encodes the functional protein.