

Product datasheet for **SC323018**

CENPL (NM_001127181) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: CENPL

Synonyms: Clorf155; CENP-L; dJ383J4.3

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001127181, the custom clone sequence may differ by one or more nucleotides

```
ATGGATTCTTACAGTGCACCAGAGTCAACTCCTAGTGCATCCTCAAGACCTGAAGATTAC
TTTATAGGTGCCACTCCTCTGCAGAAACGATTAGAATCGGTCAGGAAGCAGAGTTCATTT
ATCCTGACTCCACCTCGAAGGAAAATTCCCAGTGTTGCGAGTTGCAGGAAGATGTTGAC
CCTCAAAGGTTGCATTCTTCTGCATAAACAGTGGACTTTATATAGTTAACTCCCTTA
TATAAATCTCCTATAGTAATCTCAAAGAGTATTCTAGACTTCTCAATGCTTTTATTGTT
GCTGAAAAGCAAAAAGGACTTGCTGTGGAAGTGGGAGAAGACTTCAACATCAAAGTGATT
TTTTCTACTCTCCTAGGAATGAAAGGAACACAAAGGGACCCGGAAGCATTTCTTGTCAG
GGTCTCATTTTGTACCCAGGCTGGAGTACAGTGGCACGATCTTGGTTGACTGCAACCTC
TGTCTCCTGGGCTCAAGTGATCCTTCCACCTTAGCCTTCCAAGTAGCTGGGACTGCAGGT
GCATGCCACCACACTCGGATTGTGTCAAAATCTCAATTGCCATCTGAGAATAGAGAAGGT
AAAGTGCTGTGGACTGGCTGGTTCTGCTGTGTATTGGAGACAGTCTTCTGGAGACTGTT
TCAGAAGATTTACCTGTCTGCCCTATTCTTGCAAATGGAGCAGAGTCTAACACAGCA
ATAATTGGAACCTGGTTTCAGAAAACCTTTGACTGTTATTTAGTCCTTTAGCAATCAAT
GCATTTAATCTTTCTGGATGGCTGCCATGTGGACTGCATGCAAAATGGACCATTATGTG
GCTACTACTGAATTTCTTTGGTCTGTACCCTGTAGCCCTCAAAGTCTGGACATTTCTTTC
GCAATACATCCAGAGGATGCAAAAGCTCTATGGGACAGTGTCCACAAAACACCTGGGGAG
GTTACCCAGGAAGAAGTTGACCTATTCATGGATTGCCTTTATTCACATTTCCATAGACAT
TTCAAAATTCATTATCAGCCACAAGATTAGTTCGTGTTTCAACATCTGTAGCTTCAGCA
CATACTGATGGAATAAAGATTCTGTGTCATAAATACCTTATTGGAGTGTTAGCATAT
TTGACAGAAGTGGCAATTTTCAAATTGAG
```

Restriction Sites: Please inquire

ACCN: NM_001127181

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_001127181.1, NP_001120653.1</u>
RefSeq Size:	2923 bp
RefSeq ORF:	1173 bp
Locus ID:	91687
UniProt ID:	<u>Q8N0S6</u>
Cytogenetics:	1q25.1
Gene Summary:	CENPL is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006) [PubMed 16622420].[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).