

Product datasheet for **SC329567**

CENPO (NM_001199803) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CENPO (NM_001199803) Human Untagged Clone
Tag: Tag Free
Symbol: CENPO
Synonyms: CENP-O; ICEN-36; MCM21R
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329567 representing NM_001199803.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

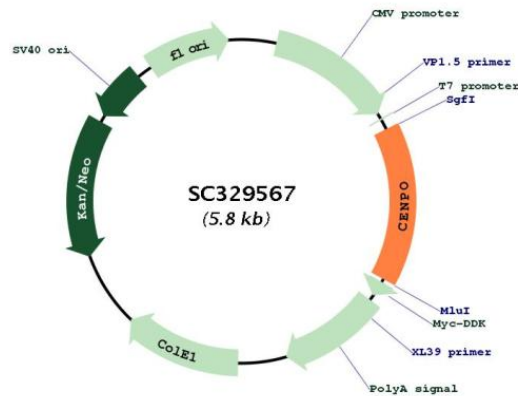
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ATGGCGGGAATTCTCGCTTCTGGCCTGGGTGTTTTAGCTCACTTGGAAAGGCTAGAGACCCAAGTGAGC
AGATCCCGTAAACAGTCTGAAGAGCTGCAGAGCGTGCAGGCCAGGAAGGTGCTCTTGAACCAAGATT
CATAAACTAAGGCGTCTGCGAGATGAGCTGAGGGCTGTGGTGCAGGCACCGGCGAGCCAGCGTGAAAGCA
TGTATTGCCAATGTAGAACCAACAAACAGTGGAGATCAATGAGCAAGAAGCATTGGAAGAGAAATTG
GAAAATGTGAAAGCCATTCTGCAGGCATATCATTTTACAGGCCTCAGTGGTAAACTGACCAGCCGAGGA
GTTTGTGTCTGCATCAGTACTGCTTTTGGAGGGAACCTATTGGATTCTATTTTGTGGACCTTGTCATA
CAGAAACCACTCCGGATACATCACCATTAGTCCCAGTCTTCATCCCCTGGAAGAGATAGCTGCAAAA
TATTTACAGACCAACATCCAGCACTTCCTGTTCACTCTGCGAGTACCTGAATGCTTACTCTGGGAGG
AAGTACCAGGCAGACCGGCTTCAGAGTGACTTTGCAGCCCTCCTGACTGGGCCCTTGCAAGAAAACCA
CTGTGTAACCTTGCTGTCATTTACTTACAACTGGATCCAGGGGTGAGTCCCTCCCGTTCTGTGCTAGA
TTGCTGTATAAGGACCTCACAGCAACTTCCCCTGACGTCACCGTGACATGTCAAGGAGTGGAAGTA
TTATCCACTTCATGGGAGGAGCAACGAGCATCTCATGAACTCTGTTCTGTACGAAGCCCTTGCATCAA
GTGTTTGCCTCATTTACAAGAAAAGGAGAAAAGTTGGATATGAGTCTGGTCTCCTAA
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_001199803

Insert Size: 885 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).

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.

RefSeq: [NM_001199803.1](#)

RefSeq Size: 4125 bp

RefSeq ORF: 885 bp

Locus ID: 79172

UniProt ID: [Q9BU64](#)

Cytogenetics: 2p23.3

MW: 33 kDa

Gene Summary: This gene encodes a component of the interphase centromere complex. The encoded protein is localized to the centromere throughout the cell cycle and is required for bipolar spindle assembly, chromosome segregation and checkpoint signaling during mitosis. Alternatively spliced transcript variants encoding multiple protein isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks an exon in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.