

Product datasheet for SC334186

CENPP (NM_001286969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPP (NM_001286969) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPP
Synonyms:	CENP-P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286969, the custom clone sequence may differ by one or more nucleotides

ATGGTTACATTTCAACTTGAATTCAGATTCTGGAAATTCAGAATAAGGAGAGATTATCTTCTGCTGTTA
 CTGACCTCAACATAATAATGGAGCCACAGAATGCTCAGAATTAAGTGAATTTGTGTCTAGAGCAGAAGA
 GAGAAAAGATCTGTTTCATGTTTTCCGAAGCCTGCATTTTTTGTGGAGTGGTTTGAATATCGTAAGCGC
 ACGTTTAAACATCTCAAGGAAAAGTACCCAGATGCCGTGTACCTCTCGGAGGGGCCCTCCTCTGCTCCA
 TGGGGATCCGCAGCGCCAGCCGCCAGGGTTTGAATTAGTCATTGTTGGAGGATACAAATAGATGAAGA
 TGGGAAGGTTTTTCAAAGCTGGATCTTCTACCAAAGTCCACAGCGAGCCCTGGAGCTGGACAAGAAC
 AGAGCCATAGAACTGCTCCTCTCAGCTTCCGAACCCTGGTAGGACTGCTTGAATCGAAGCTGCTCTGG
 AAAGCCTGATAAAATCGCTTTGTGCAGAGGAGAACAAC**TAG**

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286969
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).


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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_001286969.1](#), [NP_001273898.1](#)

RefSeq Size: 3231 bp

RefSeq ORF: 531 bp

Locus ID: 401541

Cytogenetics: 9q22.31

Gene Summary: CENPP 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 (2) lacks an alternate exon in the 5' region, which results in translation initiation from a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.