

Product datasheet for MC223571

Cep126 (NM_001045524) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cep126 (NM_001045524) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cep126
Synonyms: Kiaa1377; mKIAA1377
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223571 representing NM_001045524
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGCGGGCAGGCCCGGAGCCAGAGCGCAGGCGCAGGCGTGGGCGCCGGACCCCGAGCGGCCGG
 GCGCCCGTGACGGCGGGTTCGGCCGCGACCCGGCGCTTACCTAGATATGAAAATCCATCTTGAGAAAA
 TTTAGAAGAAGAACGCCAGATGCTACTACAGCAACAAAACTATGTCGGAATCGAGCACGTAATATTTTC
 ATGGAGTCAAACCGGAGAAGAAAAGCTTTCGAAGAGAAAACGCCAAAAACAAGAAGAAAGAGAATATCAAA
 TTAGAGAACGGATCCTGCAGCAGAGGAAGCAAAAGTTTGAAGAAGTTACTGAAAAATTCAGCGTGCCCA
 CGTTCTGTTTCTCAGAGAAGGAGAGCAGTTTTTCAAAATCCAGTTCTCCATTAGAAGAGGCCCTAAAA
 CAAATTCAGAGTCCAACCTAAAGTCAGAAGTAAACATTCCTCTTTCCACAGGCCAGCAACAAATTTGGC
 GAGCTATAGATTCTGCCTTGCCCTCAACATTGTCAAAAAATGATCACAAGCATCAAAAACATCTCGTACG
 CAGAATTAACCGTAATAAAGAAATGAAGGAAAACAACATAGCAAACCTAGCTACTAACAAAAATGTGTT
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 ATGAAGTCAATCAGATAACCAATTTGAAACTCTCTCAAGTATAGACAGTCTTGAGGCTGGAGAGCGTGA
 AGAAATATACATCACACTTAGTATGAAGCCTTCCACGTCAACCCAGCAGAACTCTGTTCCCTTCAGTCA
 GCAAATCTACAAGCAGCTCATTTAGACTGTTTTGATGAAGATAAACTGTCATTCTCTAAACTCAGCATA
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 TAGATAAAAAAGGAGAAAACACTGCTGAAAGCAATGTTGTGAGAGCAAGTATCCACTGAAGGAGCAGT
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 TCTCTAACCCAGGAAACAGCTTCATTTTCCGTCGAAGAGAGGCCCTCTGAGTTAACTTGGGAAAGCAGAA
 CTGCTTCGATTCTGCTTCATCTGTAACGGTTTTATCACCTAATTTACAGGCAGGTGGGCCCTTTAGCAGA
 GAACAACACACAGATAAAAGAAATTTGACCTGTGAGTGTCTGTATAAGTTAGATGAATGAAAAATATG
 GAACATGAAAGGATAAACCATCTTAAGTGAATAAAGAAAAATATTTATTTTACCCAATTTTCAGACCA



CCTGTGCACTTCAAATCTAATTCAAATGATAGAAAACAAAAGAGAGTGGCCATCAGCAGCACTGTG
 TAACAACCTCTGACTGTGACTTGCCAGAGCAGCACAGCATAAAACACAGTGTCCATGAACAAAATGGG
 GTGCGGCTGCTTAAGAGTATATTAAGAAAAGAAATCCAGATATGAACATAATTATTTGAGAGCATTAGTTA
 TGAACAAGGTTTTAAGTTTAGACACCAAAAGGCAGAACTGTTAGAGATAGTATTGAATTAACAAAACA
 GAAAGGAAAGGTGCAGAAATATCAAAGACTAGTAAAAACTGCGGTGGTTTGATGAAAGTGCTAACTTA
 GAAAATGCTGTAGATGATTGCCACCCAGTGAGGAACAGAGCAGGAATGGCTCCACGGTGGTTACAGCGCT
 GTCACACCAACAGTGGCACCTACAACCTGACAAGTATTCCTGAGTGTCTGTACATTCTGCTGTGGAAA
 GAAAGCCAAGGCTGATTCTGTCCAGAAAATGCTACTGATTTAGGAAGATATGAAATAGACAGTGTGCTT
 TTGAACCTTTCTGTATCTTTAGGCTTTAGCTTTGCCAAAACAAGCCTGGTCGGCCTGCAGAAGAGGAGAGA
 GCAAAGCCCTGTACATGCTAGTACTCTAAGACTCAAAAGACTAAGCCTCAGAGAGGAGTAAAATTCAC
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 CAAACTTCAAGCAAAGCCAACACAGTGGCCAACTCAGGGTAACTAATTATAACTCATCTCCACCTA
 AACCGCCAACAAACATTAAGGTGGTAAAATATGCAAGTGTCTCCAGGTCAATCAGCCATACCTGAACA
 TTCTCAAATGTCATGACACAGAGCTGTTAAGTCCAGCATCTGTGCTTCCAACAGAGTACCATTGAAC
 CAGGGGACTCAAGAAAGTACTCTCCGTTCTCAGACACCTGTTCTAACCTCCCTGTGTGAGTCCAGCTC
 TACCAACTCCTTACTCTTCTGAGTGCCAAACCTTAGCAAAAGCCAATTCAAATGGCACAGCTTTCCTGAA
 AGACGGAGCAGTATATTGTACCCATCGAAGTCCTGTTTGTGAAGAAAGCTACCAGTCTTTCACTCATAGG
 AATACTGAAGAAGATCCATTCTCCATGGAGAAGAAGATCAATGGACACCAAAATGAGAGAACCCTG
 ATTCTACTGTTACAAGAAGAAAGCAAATTTGTTGAAAATAAATGGAAAAGGCTGTTAGAACAGAAAAGGAA
 AACCTCTGGATCTATAGGAATGAAGTACCCGAGCAAATAACTCATTTTGGACAAAATGTCCACCAAGT
 ACAACTGAACAAATACAAGCTCCAAGAGGTGTCAAGACTGAAGAAGTTTCAGATAGTACTTCTGAGTTTT
 TGGTGGCAGAAAACCTCATGAATCTTTCAGTGCCTGAAGATGAAATCTGACTGCCATAAACAGCAAGCA
 TCTACAGAAACCAATCTGTCCCAACCAACCAATGTCTGTGCCCTGCAGCTGAAGAGCAGAAGATCCTG
 AAGTCACTCCATCACCTCGATGAAAGGCTATACTATGTACAAGAAGCAATTCGCAAAAACCTTCCATCA
 AAAATACTTTACAATTAATACCCTTCTGAGCAGCCAGCCAAGGGCAAGTCTGTCTCTGATGTTGGATC
 CACAGTGCAAAGAAAATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001045524
- Insert Size:** 3312 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_001045524.1](#), [NP_001038989.1](#)

RefSeq Size: 3647 bp

RefSeq ORF: 3312 bp

Locus ID: 234915

UniProt ID: [Q0VBV7](#)

Cytogenetics: 9 A1

Gene Summary: Participate in cytokinesis (By similarity). Necessary for microtubules and mitotic spindle organization (By similarity). Involved in primary cilium formation (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).