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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223571 representing NM_001045524
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGCGGGCAGGCCCGGAGCCCAGAGCGCAGGCGCAGGCGTGGGCGCCGGACCCCCAGACGCGCCGG
GCGCCCGTGACGGCGGCGGTCGGCCGCGACCCGGCGCTTACCTAGATATGAAAATCCATCTTGAGAAAAA
TTTAGAAGAAGAACGCCAGATGCTACTACAGCAACAAAAACTATGTCGGAATCGAGCACGTAAATATTTC
ATGGAGTCAAACCGGAGAAGAAAAGCTTTCGAAGAGAAACGCCAAAAACAAGAAGAAAGAGAATATCAAA
TTAGAGAACGGATCCTGCAGCAGAGGAAGCAAAAGTTTGAAGAAGTTACTGAAAAATTCCAGCGTGCCCA
CGTTCCTGTTTCTCAGAGAAGGAGAGCAGTTTTTCAAAATCCAGTTCCTCCATTAGAAGAGGCCCTAAAA
CAAATTCAAGAGTCCAACTTAAAGTCAGAAGTAAACATTCCTCTTTTCCACAGGCCAGCAACAAATTGGC
GAGCTATAGATTCTGCCTTGCCTTCAACATTGTCAAAAAATGATCACAAGCATCAAAAACATCTCGTACG
CAGAATTAACCGTAATAAAGAAATGAAGGAAAACAACATAGCAAACCTAGCTACTAACAAAAATGTGTTC
CAGCTTAAACTGGAGGAGACACAGAAACTCCTAGAGGATCAACATTTAAGTGATTTGCAAAAATTTTGTG
ATGAAGTCAATCAGATAACCAATTCTGAAACTCTCTCAAGTATAGACAGTCTTGAGGCTGGAGAGCGTGA
AGAAATATACATCACACTTAGTATGAAGCCTTCCACGTCAACCCAGCAGAACTCTGTTCCCCTTCAGTCA
GCAAATCTACAAGCAGCTCATTTAGACTGTTTTGATGAAGATAAACTGTCATTCTCTAAAACTCAGCATA
TAAACAATTGGCTTACAAACTTAGATGCTCAAAATAGTCAGCCTGTTGCATCTTTTTCAGATATTTTAAT
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TAGATAAAAAAGGAGAAAACACTGCTGAAAGCAATGTTGTGAGAGCAAGTGATCCCACTGAAGGAGCAGT
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TCTCTAACCCAGGAAACAGCTTCATTTTCCGTCCAAGAGAGGCCTTCTGAGTTAACTTGGGAAAGCAGAA
CTGCTTCGATTCCTGCTTCATCTGTAACGGTTTTATCACCTAATTTACAGGCAGGTGGGCCTTTAGCAGA
GAACAACACACAGATAAAAGAAATTGACCCTGTGCAGTGCTCTGATAAGTTAGATGAATTGAAAAATATG
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GAACATGAAAGGATAAACCATCTTAACTGTAATAAAGAAAAATATTTATTTTCACCCAATTTTCAGACCA
CCTGTGCACTTCAAAATTCTAATTCAAATGATAGAAAACAAAAAGAGAGTGGCCCATCAGCAGCACTGTG
TAACAACCCTCCTGACTGTGACTTGCCAGAGCAGCACAGCATAAAACACAGTGTCCATGAACAAAATGGG
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GAAAGGGAAAGGTGCAGAAATATCAAAGACTAGTAAAAAACTGCGGTGGTTTGATGAAAGTGCTAACTTA
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GTCACACCAACAGTGGCACCTACAACCTGACAAGTATTCCTGAGTGTCCTGTACATTCTGCTGCTGGAAA
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TAGAAGAACAGGGTCTTCAAAGGTCCAGAAAGGACTTGTGCAGAACAGAAAACCCACTGTCAGCCAGCCA
CAAACTTCAAGCAAAGCCAACACAGTGGCCCAAACTCAGGGTAAACTAATTATAACTCATCCTCCACCTA
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CAGGGGACTCAAGAAAGTAGTCTCCCGTTCTCAGACACCTGTTCTAACCTCCCTGCTGTGAGTCCAGCTC
TACCAACTCCTTACTCTTCTGAGTGCCAAACCTTAGCAAAAGCCAATTCAAATGGCACAGCTTTCCTGAA
AGACGGAGCAGTATATTGTACCCATCGAAGTCCTGTTTGTGAAGAAAGCTACCAGTCTTTCACTCATAGG
AATACTGAAGAAGAATCCATTCTCCCATGGAGAAGAAGAATCAATGGACACCAAAATGAGAGAACCACTG
ATTCTACTGTTACAAGAAGAAAGCAAATTGTTGAAAATAAATGGAAAAGGCTGTTAGAACAGAAAAGGAA
AACCTCTGGATCTATAGGAATGAAGTACACCGAGCAAATAACTCATTTTGGACAAAATGTCCCACCAAGT
ACAACTGAACAAATACAAGCTCCAAGAGGTGTCAAGACTGAAGAAGTTTCAGATAGTACTTCTGAGTTTT
TGGTGGCAGAAAACCTCATGAATTCTTCAGTGCCTGAAGATGAAATTCTGACTGCCATAAACAGCAAGCA
TCTACAGAAACCAAATCTGTCCCAACCAACCAATGTCTGTGCCCTGTCAGCTGAAGAGCAGAAGATCCTG
AAGTCACTCCATCACCTCGATGAAAGGCTATACTATGTACAAGAAGCAATTCGCAAAAACCCTTCCATCA
AAAATACTTTACAATTAATACCACTTCTGAGCAGCCAGCCAAGGGCAAGTCTGTCTCCTGATGTTGGATC
CACAGTGCAAAGAAAATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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.

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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).

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