

Product datasheet for **MR223755**

Cep76 (NM_001081073) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep76 (NM_001081073) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep76
Synonyms:	6230425F05Rik; 9630013E05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR223755 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGCTGCCTCCGAGAAAGCCTCGGAGCTGAAGCAGCTCATCCACCAGCAGCTGAGCAAGATGGATG
TCCATGGCAGAATAAGAGAAATTCCTTGAGAGACTATACGAGAAGAATTAGCACCGGATCAACAACATTT
ATCAACAGAAGATCTGATCAAAGCTCTAAGACGTCGAGGAATCATTGATGATGTAATGAAAGAACTTAAT
TTTGTGACTGATAGTGTGATCAAGAACTCCCTTCTTCTCAAAGCAAACCGTTGGTTTTGATAAGCAGT
CAACATTAATAAAAACTAATGTTGATCCAACACGGAGGTATCTTTACCTCAGGTTCTGGGTGAAAAAGC
TTTCTTGGAACTCTGCAAGAACCTGAGCCTTTGCCTGGACAGATTTGCTCGACTTTCACTTTATGTTTG
CACTATCGGAACCAACGATTTTCGCTCAAACCTGTACCCTGCGCTTGTGAGCCAGATTTCCATGACGGCT
TTTTGCTTGAAGTTCACAGAGAAAGTTTAGGTGATGGAAGTGAATGGCTGATTCACAACAATGTTATC
AATAAGTGATCCAATTCACATGGTACTAATCAAACAGACATATTTGGTGAGACCACTTTAGTTGCGTCC
TATTTCCCTGGAATGGAGATCAGTTTTGGGCTCAGAAAATGGAGTGACCAATCTGACTGTGGAGCTCATGG
GTGTAGGCACAGAATCAAAGTTTCCGTGGGAATTTTAAATATAAAACTTGAAATGTACCACCGCTCAG
CCAAACGCTGTCTCAGGAGGTAGTGAACACACAGCTTGCCTTGGAACGTGAGAAAAGTGCAGAGAAAGAG
CGATTATTTCTCGTCTATGCTAAGCAGTGGTGGAGGGAGTATTTGCAAAATTCGACCTTCTCAACTCAA
GGCTGGTCAAGATTTTGGCCAGGATGAGAATGGGATAAATAGACCAGTCTGTTCTACGTTAAGCCACT
TCGAGCTGGACGACTTCTGGATACTCCGAGGCAAGCGGCTCGATTTGTTAATGTCCTTGGTTATGAACGA
GCCCTGTTATTGGAGGAGGTGGCAAGCAGGAACAGTGGTGCACCTCTGCTGGCTTTTCTCTGTAGAAACA
AGGGTGATTGTGAGGACCACGCTAACCTGCTGTGCAGCCTTCTTCTTGGCTATGGACTGGAGGCCCTTGT
CTGTGTGGGACTAAGGCCAAGGGGGCGCCGATGCCTGGGTGATGACCTGTGGGACTGATGGCACCATC
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CTGAGCAGCCAAACCACTGTACCCATATCGAACAATTGGTTGTGTTTTCAATCATCAGATGTTCTGGG
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ATGAGCGAAGAAGCAATTAAGTCTGTGTGCTCCAGGTGCTACTACCTCCCTCCCTCCCTCCACCTC
TGTGTGCGTCCACGATTGACGCCTCGGTCACCAGCAATGAAATCGAAATGCAGCTGAGGCTTCTGGTGC
GGAACACAGAAAGACCTTGGCCTCACCCTGTCTGGGAAGACCAGCTCTCCTATCTTTTGTACCAGCT
CTGGCCTCGTATGAGTTTGTGCGAACAACAAGCATATCTGCAGGCAATGAAGAATTTGAGGATGCCATCA
GGAGGGCTGTACCTGACGGGCACACATTTAAAGGCTTCCCATACATTTTGTGTATAGAAATGCAAGGCG
TGCATTTGCCACTTGTCTTCGGTCTCCTTTTTGTGAAGAAATAATCTGTTGTCGTGGAGACCAGGTGCGA
CTGGCAGTTTCGCGTTTCGAGTGTTTACCTACCCTGAGTCTGCATGTGCTGTTTGGATCATGTTTGGTGTGA
AATATCGCTCAGTATTA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223755 protein sequence
Red=Cloning site Green=Tags(s)

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MSLPPEKASELKQLIHQQLSKMDVHGRIREILAETIREELAPDQQHLSTEDLIKALRRRGIIDDVMKELN
FVTDSVDQELPSSPKQTVGFQDKQSTLKKTNVDPTRRYLYLQVLGGKAFLEHLQEPEPLPGQICSTFTLCL
HYRNQFRFRSKPVPCEPDFHDFGLLEVHRESLGDGTRMADSTMLISIDPIHMVLIKTDIFGETTLVAS
YFLEWRSVLGSENGVTNLTVELMGVGTESKVSIGILNIKLEMYPPLSQTLSQEVVNTQLALERQKTAKE
RLFLVYAKQWREYLQIRPSHNSRLVKIFAQDENGINRPVCSYVKPLRAGRLLDTPRQAARFVNVLYGER
APVIGGGGKQEQWCTLLAFLCRNKGDCEDHANLLCSLLLGYGLEAFVCGVTKAKGAPHAWMTCGTDGTI
MFWESLTGHRYIHKPTNPDGPPLAEQPKPLYPYRTIGCVFNHQMFLGNCQPSDAVETCIFDLNDESKWKP
MSEEAIKSVCAPGATTSLPPFPPLCASTIDASVTSNEIEMQLRLLVSEHRKDLGLTTVWEDQLSYLLSPA
LASYEFERTTSSISAGNEEFQDAIRRAVPDGHTFKGFPIHFVYRNARRAFATCLRSPFCEEIICCRGDQVR
LAVRVRVFTYPESACAVWIMFACKYRSVL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001081073

ORF Size: 1980 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001081073.1](#), [NP_001074542.1](#)

RefSeq Size: 3979 bp

RefSeq ORF: 1980 bp

Locus ID: 225659

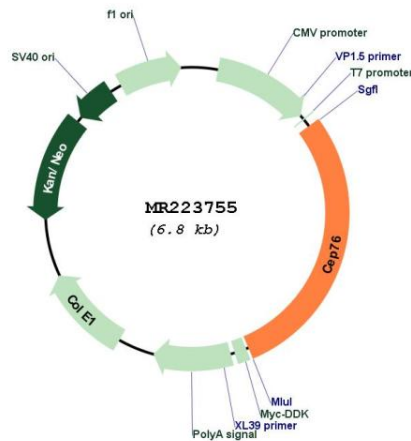
UniProt ID: [Q0VEI0](#)

Cytogenetics: 18 E1

MW: 74.3 kDa

Gene Summary: Centrosomal protein involved in regulation of centriole duplication. Required to limit centriole duplication to once per cell cycle by preventing centriole reduplication (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223755