

Product datasheet for **MC221656**

Cep78 (NM_198019) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Cep78
Synonyms:	5730599I05Rik; D030027P05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC221656 representing NM_198019
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGACTCGGTGAAGCTCCGGCGCGACTGCGCGCGCGACTTCTTCTCGCACTACGAGTACCTGTGCG
CGCTGCAGGACTCCGTGCCGTGCCCGCCGTGCGCGCCTGCCTGCGGGACGGCGTGCTGGACTTCAATGC
CGACCGGCTGCGCGCGGTGGACTGGGACCGCTGCTCAGCAGCTCAGGGTGAACCGCGACCTGCCGCTG
GTGGCCATCAAGAGCTCCTCCAGCCGTGGCTCGGGGAAACAGTTCTGCGGTCCGGAGGTGCTGATACAC
ACCGAATTTGTAGGAATCGAGTTCCTGCAGTGAGATCCAAAGACATAAGCTTCCAGTTATGTAAGGCTCT
TAGAGGCTGCTTAAGTGATCAGGGGTGCTAAGAAATCTGGAGCTAAATGGGCTGATTCTGAGAGAGAGA
GATTTGACTAGTCTAACAAAGGACTGAGTAAATCAACCTCTTTGGTGCAGTTGTCTCTTGCAAATTGTC
CAATTGGAGATGGAGTTTAGAAATATTTGTCAAGGTATAAAGAACTCTGTCACTCTCAAGACCGTCAA
CTTTACAGGTGTAATCTGACATGGCAAGGAGCCTGTCTATGGCCAAGATCTTAAAGTATCAAACCATG
AGAAGGCATGAAGAAACCTGGGCGGAGAGCCTCCGCTACAGGAGACCCGATCTGGACTGCATGGCTGGCT
TACGGCGCATCACACTGAACTGCAACACACTCATTGGTGACAGGGTGCAAGTGCCTTTGCAGACTCTCT
TAGTGAGGACCTGTGGCTTCGAGCACTCGACCTGCAGCAGTGCGGCCTCACCAGTGAAGGGGCCAAGGCT
TTACTGGAGGCCCTGGAACCAACAGAACCCTGGTCGTTCTGGATATAAGGAAAACCCACTTATTGATC
ATTCTATGATGAAAGCAGTTATCAAAAAGGTCTCCAGAACGGAAGGAGTGCAGACTCAGATACCAAGTG
GGTTACATCCCATCATCAAAGGAACCGTCTAAAACCGCTAAGCAGAGAAAGAAAACAATTGTCTTAGGA
AGCAGCGGGAAGGGAAGCAACCATTAGAATTGGTTAGCTACAAAGAAGCCTTCGAGTAATGGGAGAA
AACAGGGGCTCGGTAAAGACTGCTATGCTCCCAACCCTCTGCCTCCAGGCGCATCTGGTTTCTTGCCTTG
GCGAACAGCAGACGTGCAAAAAGAGCAGGAGTTCTTCATTAATCAAACTCGTGATCTATCAAATCAC
CTGAAGAAATCAGATTTCCCGGTGACTGTGACAGTAGAAAGTCTTCATCTCAGAACTGACGAGACTG
AAGATCTCTCAGAAAGTGTCAGGAAGCGCTCAGAAAACAGCATAAAAGAAGAAACATTACAGGAGAA
GCTGGAGGAGTGCTAAGGCAGCTGAAGGAGGAGAGAGTGATCCGCCTCAAGGCCGACAAGCGCGTCAGT
GAGCTGGAACATGAAAATGCCAGCTAAGAAATATAAATTTCTCCCTGTCTGAAGCCCTTCATGCACAGT
CCTTGACAAACATGATCTGGACGATGAAGGAGTCTTGGGCAGCATCGAGAATTCCTTTTCAAGGTTTCA
CGCTTTTTTGGACCTCTTAAAGACGCTGGGCTTGGACAGCTTGCCACTATGGTGGCATAGATCAGTCA
GATTTCCACCTGTTAGGTCGTCGCGAGATGAATCCACGGTTAATACACCTATACAAGAACAGAAGGCAC
TTGAAGATGAACTCTGCATCCGAAACAGACTGCCACCGGACAAATGCAGGATATCCGATTTCAAGAGAT
TACCAGCGATGCTCTGATTCTTTACCTCTGAACACCGTCCAGGATCCGGCTTCTGCACAAGAGGCAAGT
GGAGCGTCTAGAGACCATCTGGGAGTTGTAGGCTGGAGCAGCAGGAGGATCTGCAGCAGGATTCATTG
CTAAACAGGCTCTCTTTAGCAGGTGGCATTCTGGAGGCAGGAGTCAAGAGAAGAGGAGGTGTTGTC
TAAACACAGCAGGTCTTCTTCAAGAGAAGGGGAGCAGGCAAGTGAGCCCTCCAGAAGGCCGTCTGCTGAG
AGACACCCAGGAAGGACCTGCTGTCCGATGCTGACCTCTGGGAACTCTGAAAGCAAGGACCTGGGG
ATAGAAGGTCTCTGCTTAATGAGCAATTAAGTGAATCTTTGAAAAATGCATTTCTATCAAGAAAGA
AAACAGAATAGTACTGTCTCATCTAAGACTATCAAAAGTAAACCAACCTTCTAGAACATTCTGAAAGT
GATACTCTTGATCTGATTTTGAACCTCAGGAACGTGTCCATTCTGCAGCACACCTAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_198019

Insert Size:

2373 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_198019.2 , NP_932136.2
RefSeq Size:	2576 bp
RefSeq ORF:	2373 bp
Locus ID:	208518
UniProt ID:	Q6IRU7
Cytogenetics:	19 A
Gene Summary:	May be required for efficient PLK4 centrosomal localization and PLK4-induced overduplication of centrioles. May play a role in cilium biogenesis.[UniProtKB/Swiss-Prot Function]