

Product datasheet for MC223709

Cep135 (NM_199032) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep135 (NM_199032) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep135
Synonyms:	BC062951; Cep4; Gm1044
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223709 representing NM_199032 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACTACAGCTGCAGAGAGAAAGTATATTAACATTTCGGAAGAGGTTAGACCAGCTGGGCTACCGCCAGA
CCCTGTCAGTGGACAGTCTGCCTTTGGTAGAAAACTTTTCAGTGACCTCGTTCATACGACAGAAAGCCT
GCGGCAGTGCAGGTTGTCTCGGAAAGCGGAAAGGAAAGTGCCAATCTCGATTTTGTGGAACTT
TATAAACTTGAAATACAAGACTGAATAAGGAGAATAATGAATTGTATCTGGAGTTAATGAAGCTCAGAG
AATGCTCAGACAAGCACATTAAAGACTTGAAGACGACACTGAAGAAATGTTCCCGTGAGACAGCTGATCT
GAAGTTTCTGAACAACCAAGTATGTTTCAAGGTCAAAGTCTGGAGAAAGAGAGCAAGCCAAGGATGAA
AAGATCCAGCAGCTTCAAGAGAAGAACCTGCGTGCTGTGGTGCAGACCCCTGGTGGCAGGAAAAGAAACA
TTGCATTTAGGCGCCAGCGGATGCAAAATCGATGAACAGCCCCACCCTCAGAAGTCAGCGCATACCCGGT
TCCTCAACCAGAAGACCCATACATTGCGGACCTCCTGCAAGTGGCTGACAACAGGATTACAGGAGCTGCAG
GAGGAGGTCCAGCAGCTGCAGGAGAAGCTAGCACAGATGGAGAAAGGAGTGTGGACTACAGCAAGCAGA
TTGAACTGAGAGAACGAGAAATACAGCGACTGTCACTTGGCTGGATGGCGGTTGTTCCCTGATGTCCT
GTCTCTGGAGACCAGAAATAAAACCAATGAGAACTCATTGCTCACTTAAATGTCCAGGTTGACTTCCTC
CAGCAAGCTAATAAGAGCTGGAGAAGCATATTCAAGAGCTCATGGAAACCAAGGAAACAGTGACAACCTG
AAGTTGTGAACCTCAGCAACAGAAACGAGAAGCTCTGCCAGGAGCTAACCGAGATCGACCAAGTTAGCCCA
GCGGCTGGAAAGGCACAAGGAGCAAGTGTGGAGACAGCAGACAAGGAGCTCGGGGAGGCAAGAAAGAG
ATTAACGAAACCTCTGTGAAATGCGGAACCTTGAGGAAAAATGTCAAACTGCAGTGGGAATTGGACT
TAAGCCATAAGGAGAAGGAGAGACTGAACAGTGAGCTGCTTTAAAGTCAGACCTGGAGACTGTTGTTCA
TCAGCTCGAACAAGAAAGCAAAGACTTAGCAAAAGCTGCAGAGTTTGCAGTCACAGAAAGAGAACTG
ACTCTGGAGGTTGAGAGGATGAGGCTAGAACATGGGATAAAGCGTCGGGACAAGTCACCTCTCGTCTGG
ACACATTTCTGAAAGGCATAGAGGAAGAGCGGATTATTACAAGAAAGAGCTGGAGAAACTGCAGCATCT
AATCCAGCGGAGATCTTGTGCGATTAATTACTCCGCTCGGAAAAACCTCTGTAGTCAAATGCTCAGAA



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AAGGGTGACTGCAGCACGGACGTTACCTGATCACAAGAGAAAGGGATGAACTTCAGCGCATGCTGGAGA
GATTCGAGAAATACATGGAGGACATACAGTCCAACGTGAAGCTGCTGACGGCGGAAAGGGACAAGCTGAA
TGTCTGTATAAGGAAGCAAAGGAAGAGTTGTCTACACTAAGGAAGGAGTCCACTAATTCGACATCCCCC
AACCATCTTGTAGTTGTGTAGAAAAGGAGAAAGAACGCGCTTATCTGAGTTGAGAAGAATTACAGCAG
AAAAGGAAGCTCTGAGAGAAAAGTTGAAAACATCCAAGAAAGGAATGCTGTTGGAAAATCAGACTTAGA
GAAAATATTGAACATTTGACATATATTAATCACCAGCTTGAAAATGAAAATATGAATTGCAATCTAAA
ATGTTAATGATGAAAGAAACAGTGGAGTCATTAGAGAACAAATCAAAGCTCAAAGCTTAAGCC
ATGTGACTGGTGACTCATCTCATCAGAAAACAGAGATGACCTCCCTTAGGATCGTCAGTGAGCAGCTACA
GCGCTCACTTGATGACTGTCAGCACCGACTTTCATAAAAAGAGGTGAACCTGAATCAGCCCAAGAGCAA
ATTAAGTGTGGAGCAAAAAGTAGAGAATCTCAGCCACAGGATGACGGTGCAGAGCGAAGAGACTCACG
CCATGAAGAAGACCATTGGAGTGATGGACAAAAGAAAGGACTTTCTCAGGAGACTGTGGATGAGAAGAC
AGAAAAGATCGCCAACCTGCAGGAAAGCCTCCTTAGTAAAGAAAAGTCAATGCCAGTTGAAGTCA
GTTGCAGAGTATGAAACATCACTTAACCAGCTACAAGAACTTTGACTACTCGAGACCGAGAGATAAACA
GCCTCCGGCGCCAGCTTGATGCATCTACAAGGAGCTTGATGATGTTGGGAAATCTAGAGAGATCTCTTT
TAAGGAAAATAGAAGTTACAAGATGACCTGGCCACAATGGCAGAGAGAAAATCAGGAGATCTCACTGGAG
CTGGAAGCAGCAGTGCAAGAAAAAGAGATGAAGAGCAGAGTCCATAAGTACATCACTGAGGTGTCGC
GGTGGGAGAGCCTGATGGCCGCAAGGAAAAAGAAAACAAAGACTTGCTGGATAGATTCCAGATGCTCCA
CAGCCGTGCTGAGGACTGGGAGGTCAAGGCTCAGCAAGCGGAAGGGGAGAACAGCTCAGTCCGCCTGGAG
CTGCTGTCTATCGACACAGAGAGAAGGCATCTGCGGGAACGAGTGGACCTCCTGGAGAAGGAGATCCAGG
AGCACATCAATGCACATCACGCATACGAGTCTCAGATCTCGTCAATGGCTAAGGCCATGTCTCAGTTAGA
AGAGGAGCTGCGACGTCATGAGAGCGAGAAAGCCACCATGTTAGGTGACGTGTCGTCTCTCCGAGAACTG
TGCATCAAGCTCGACTCAGGCAAGACGTCATGACCCAGCAGCTGAATTCAAAAGCCTAGAGCTGGAGC
GGGCGGTAGCAGAATTAGAGAATGTAAATCAGAATCAGAACTATTAACAAAACAGCTGACGAATGAGAG
ACAGACAATTAAAAACCTTGAGTCGTTGTTAGCTACAAACAGAGATAAAGAGTTCCAGTCCCATTTAACC
TCCCACGAGAAGGACACAGAAATCCAGCTGCTGAAGGAGAAGCTAAATCTCTCAGAAAGCAAACTGACTA
CCCAAAGCCGAGAAACCTCCATGCTTCGAACTAAAGTGACACAGTTGCAGACAGATTATGATAATCTGAA
GAGGCAGATGTCAAACGAGAAGTACGAACGAGAGCGAGCAATCCAAGAGATGCGCCGACTTGGTCTTCT
ACATCACCTCTGAGCTCTACTCTGAAATCTCTGTACAGACTCCTGATCATATAAATGCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_199032

Insert Size:

3423 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:	<u>NM_199032.2, NP_950197.1</u>
RefSeq Size:	5334 bp
RefSeq ORF:	3423 bp
Locus ID:	381644
UniProt ID:	<u>Q6P5D4</u>
Cytogenetics:	5 C3.3
Gene Summary:	Centrosomal protein involved in centriole biogenesis. Acts as a scaffolding protein during early centriole biogenesis. Required for the targeting of centriole satellite proteins to centrosomes such as of PCM1, SSX2IP and CEP290 and recruitment of WRAP73 to centrioles. Also required for centriole-centriole cohesion during interphase by acting as a platform protein for CEP250 at the centriole. Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a PLK4-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]