

Product datasheet for MR205263

Cep57 (BC050785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep57 (BC050785) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep57
Synonyms:	Tsp57, mKIAA0092
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205263 representing BC050785 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATAAAGCATGCAGAAATGGAGAGGACATCTGTGTTAGAAAAGCAGGTTTCTCTAGAAAGAGAACGGC
AGCATGATCAAACCCATGTTTCAGAGCCAGCTGGAAAACTGGATCTTCTGAACAGGAATACAACAACT
CACCGCCATGCAGGCCCTTGCAGAAAAAAGATGCAGGAGTTGGAGTCCAACTCCGTGAAGAAGAGCAG
GAAAGGAAGCGGATGCAGGCCCGGCAGCAGAGTTACAGAGTGGTCTAGAAGCAAATAGACTTATTTTTG
AAGATAAGACTACTTCATGTGTTTCAACCAGCACTAGAAAAATAAAAAAAGAAGTCAAACCACCAGA
AAAGAAAGGTTCTAGGACCTATTTTGGTGACAGCCACATTACAGATTGTGCTTAGGTGATATGCCTTTT
GTTGCTGGAACGTCCACCAGTCCAGCCATGCCGTGGTAGCCAATGTTTCAGCATGTCTTGATCTGATGA
AACACCACAGTAAAGCCCTGTGCAATGATCGAGTTGTTAACAGTGTCCCTTGGCAAAGCAAGCTTGCTC
ACGAGTTAGTAAGAGTAAGAAGTCAGTGGTGCCTCCTCCAGCAGTGTTAATGAAGAACTTTTCGGATGTC
TTGCAGACTTTACAGGATGAATTTGGGCAATGAGCTTTGATCATCAGCAGCTTACTAACTCATAACAGG
AATCACCAACTGTGGAATAAAAGACAACCTGGAGTGTGAATGGAGGCATTAGTGGGAAGAATGGAAGC
GAAGGCCAATCAGATAACTAAAGTTCGAAAAATACCAAGCCAGCTGGAGAAAACAAACATAGATAAGCAG
AAGAAGGAATTAAGTAAACAAAAGACTCTTGATGAAGAAGGAACAGCAGCGGTCGTTTCATCTGGAG
TCCCAAGGACCGCAAGTAAGAAGGATCTGGCCAAACAGAGACCTGGAGAAAAAGCAGGAAAAATCTTCA
GTTACTGAAGGACATGCAGACCATACAGAATTCAGTGCAGAGCAGTAATCTGTGTTGGGATTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205263 representing BC050785
Red=Cloning site Green=Tags(s)

MIKHAEMERTSVLEKQVSLERERQHDQTHVQSLEKLDLLEQEYNKLTAMQALAEKKMQELESKLREEEQ
 ERKRMQARAAELQSGLEANRLIFEDKTTSCVSTSTRKIKKKKSKPPEKKGSRTYFGAQPHYRLCLGDMPPF
 VAGTSTSPSHAVVANVQHVHLMKHHSKALCNDRVVNSVPLAKQACSRVSKSKSVVPPSSVNEELSDV
 LQTLQDEFGQMSFDHQQLTKLIQESPTVELKDNLECELEALVGRMEAKANQITKVRKYQAQLEKQNDKQ
 KKELKANKKTLDEEGNSSGRSSGVPRTASKKDLAKQRPGEKSRKNLQLLKDMQTIQNSLQSSNLQWDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC050785

ORF Size: 1044 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: [BC050785.1](#)

RefSeq Size: 1676 bp

RefSeq ORF: 1046 bp

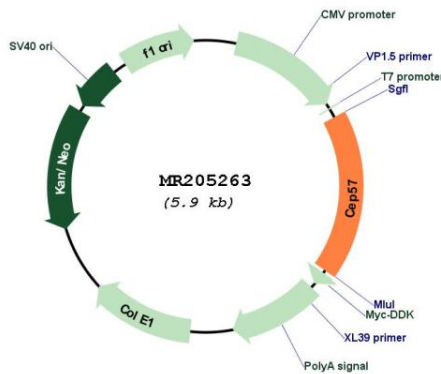
Locus ID: 74360

Cytogenetics: 9 A1

MW: 61.4 kDa

Gene Summary: Centrosomal protein which may be required for microtubule attachment to centrosomes. May act by forming ring-like structures around microtubules. Mediates nuclear translocation and mitogenic activity of the internalized growth factor FGF2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205263