

Product datasheet for **MG205263**

Cep57 (BC050785) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep57 (BC050785) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cep57
Synonyms:	Tsp57, mKIAA0092
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205263 representing BC050785 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAAAGCATGCAGAAATGGAGAGGACATCTGTGTTAGAAAAGCAGGTTTCTCTAGAAAGAGAACGGC
AGCATGATCAAACCCATGTTTCAGAGCCAGCTGGAAAACTGGATCTTCTTGAACAGGAATACAACAACT
CACCGCCATGCAGGCCCTTGCAGAAAAAAGATGCAGGAGTTGGAGTCCAACTCCGTGAAGAAGAGCAG
GAAAGGAAGCGGATGCAGGCCCGGCAGCAGAGTTACAGAGTGGTCTAGAAGCAAATAGACTTATTTTTG
AAGATAAGACTACTTCATGTGTTTCAACCAGCACTAGAAAAATAAAAAAAGAAGTCAAACCACCAGA
AAAGAAAGGTTCTAGGACCTATTTTGGTGACAGCCACATTACAGATTGTGCTTAGGTGATATGCCTTTT
GTTGCTGGAACGTCCACCAGTCCACGCCATGCCGTGGTAGCCAATGTTTCAGCATGTCTTGCATCTGATGA
AACACCACAGTAAAGCCCTGTGCAATGATCGAGTTGTTAACAGTGTCCCTTGGCAAAGCAAGCTTGCTC
ACGAGTTAGTAAGAGTAAGAAGTCAGTGGTGCCTCCTCCAGCAGTGTTAATGAAGAACTTTCGGATGTC
TTGCAGACTTTACAGGATGAATTTGGGCAATGAGCTTTGATCATCAGCAGCTTACTAAACTCATAACAGG
AATCACCAACTGTGGAATAAAAGACAACCTGGAGTGTGAATGGAGGCATTAGTGGGAAGAATGGAAGC
GAAGGCCAATCAGATAACTAAAGTTCGAAAAATACCAAGCCAGCTGGAGAAAACAAACATAGATAAGCAG
AAGAAGGAATTAAGCTAACAAAAAGACTCTTGATGAAGAAGGAACAGCAGCGGTCGTTTCATCTGGAG
TCCAAGGACCGCAAGTAAGAAGGATCTGGCCAACAGAGACCTGGAGAAAAAGCAGGAAAAATCTTCA
GTTACTGAAGGACATGCAGACCATACAGAATTCAGTGCAGAGCAGTAATCTGTGTTGGGATTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205263 representing BC050785
 Red=Cloning site Green=Tags(s)

MIKHAEMERTSVLEKQVSLERERQHDQTHVQSQLEKLDLLEQEYNKLTAMQALAEKMKQELESKLRREEEQ
 ERKRMQARAAELQSGLEANRLIFEDKTTSCVSTSTRKIKKKKSKPPEKKGSRTYFGAQPHYRLCLGDMPPF
 VAGTSTSPSHAVVANVQHVLHLMKHHSKALCNDRVVNSVPLAKQACSRVSKSKSVVPPSSSVNEELSDV
 LQTLQDEFGQMSFDHQQLTKLIQESPTVELKDNLECELEALVGRMEAKANQITKVRKYQAQLEKQNIKQ
 KKELKANKKTLDEEGNSSGRSSGVPRTASKKDLAKQRPGEKSRKNLQLLKDMQTIQNSLQSSNLCWDY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

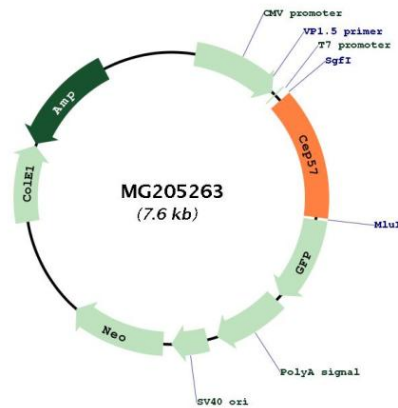
RefSeq ORF: 1046 bp

Locus ID: 74360

Cytogenetics: 9 A1

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 MG205263