OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR219870

Cep68 (NM_172260) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep68 (NM_172260) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cep68
Synonyms:	6030463E10Rik; AI481761; BC027174; Kiaa0582
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR219870 representing NM_172260
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTGAGTGAAGATGAGGCTGAGGCAGAAGTGTCTGTCAACACAAAGGTCCCATCCTGTGGCAGGT
GGAACTCTGGGAAGCTGCTGCCCTCAGGGCTTGAACCAGATCAGCCCCTACATCTGGGTGTTGAGGGGGG
GCCACTGTGGAGGGCTGAAGCTGACCCTGGCTGCATCTCGGGAGTTTTCTTGTCACGGGTCCATACTGCC
AGCAAAGAACCAGTAGCAGATAGGTCTAAGCCTCCCCTCAGAGGCCCGCTTCCTTCTGCCAGTGTGGGCA
CTGGAGAGGTTTTACACTCTATGGGCAGCCAAATGGAGGAAGACAGGCTTCCTGCCTCCCAGGACCTACT
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AGAGGCAGCCCTGAGGGGCACAGCGGAGGACTGCCTCCCTATAGGTGAGGACCTCCGAATGGGCTCTCCC
CAGCTGAAGACGAAGGAGAAAGAGCCACCCTTTCCCAGACAGAAGAGAGGCAGGCAGCATGTTAGCTGCC
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CCCAGGACCAGCCTTACAGGTCTCAAGTCTTCTCTGCAGCTTTACAGGCAATTTAAGAAAGATGTAGACG
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CAGCAGCAGAACACCCACATGAAGGGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219870 representing NM_172260
Red=Cloning site Green=Tags(s)

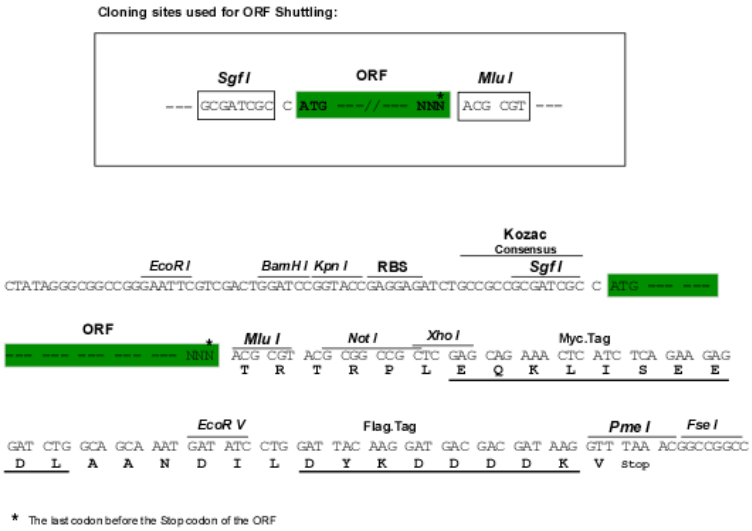
MALSEDEAEAEVSVNTKVPSCGRWNSGKLLPSGLEPDQPLHLGVEGGPLWRAEADPGCISGVFLSRVHTA
SKEPVADRSKPPLRGPLPSASVGTGEVLHSMGSQMEEDRLPASQDLLPALQVFGTITVCSGQEADSEDFQ
ATLDPSQVLGLSQQPHTSGLPLPPQWKSTVSPGAPQLSSRSISASSVGSSLQDHQEKAGPQRASFANVSS
PELTVPQAAHSVVGAGPPLQGSAQPLTSGSDATGLGKRHLSFQAEYWACALPNSLPPSPNRHSALWDPNK
EYEDLLDYTYPLRPGPQLPKQPESHVLTEPVLQDSGVDLDSLSVSPASTLKSPTNVSHNCSSAEVPTLPF
SGARESCLKRWPLGIFQKQGGTSLSSWNQLASTPRAPGTEDASWENREAALRGTAEDCLPIGEDLRMGSP
QLKTKEKEPPFPRQKRGRQHVSCPACVTPGWPSEEEVGSDEEYLALPTRLTQVSSLVSYSGARPSFVNLH
TGAAEEHSSLQVSDSDKPASPTLDSSHRKHPSGTSFQGPVGQNPCFRHSIQPQDSRGKSSLMSNQTLGVS
SKPLKTQPASKAMTDRRLFSELVAGETLPRTTDEQEKASLVQCVQTFCCRLEELICWLYNVTDVADLSAP
PRTSLTGLKSSLQLYRQFKKDVDEHQSLTESVLEKGEILLQCLLDNTPVLKDVLERIAKQSGELESRADH
LYDSILASLDMLAGCTLIPDNRPTAAEHPHEGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172260

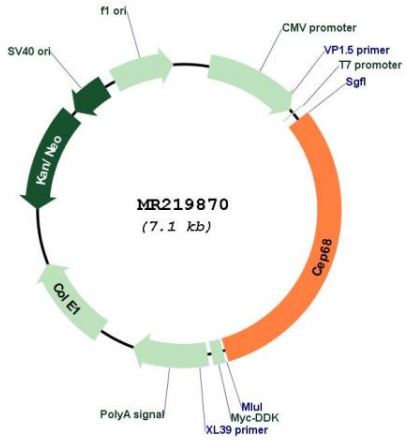
ORF Size: 2199 bp

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_172260.3, NP_758464.2
RefSeq Size:	4810 bp
RefSeq ORF:	2202 bp
Locus ID:	216543
UniProt ID:	Q8C0D9
Cytogenetics:	11 12.92 cM
MW:	78.7 kDa
Gene Summary:	Involved in maintenance of centrosome cohesion, probably as part of a linker structure which prevents centrosome splitting. Required for localization of CDK5RAP2 to the centrosome during interphase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219870