

Product datasheet for MR217003

Ccbe1 (NM_178793) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccbe1 (NM_178793) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccbe1
Synonyms:	4933426F18Rik; 9430093N24Rik; mKIAA1983
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217003 representing NM_178793 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTGCCCGCCTCTCCGAGCCGGGAGGAGCAGCCAAGAGGCAGCTGGCAAGAGCCTGGGGCCGC
TGCTGCTACTCCTGGCGCTGGGACACACGTGGACCTACCGAGAGGAACCCGAGGACCGGACAGAGAAGT
GTGCTCTGAAAACAAGATCACCACGACCAATACCCATGTCTGAAGTCTCGGGCAGCTCACCACGTGC
TTCAGGAAAAATGCTGCAAAGGATATAAATTTGTTCTTGGACAGTGTATTCCAGAAGATTATGACATTT
GTGCCAAGCTCCCTGTGAACAGCAGTGCACGGATAAATTGCGCCGTGTGCTGTGCACGTGCTACCCGGG
ATACCGATATGACCGCGAGAGACACAAAAGCGGGAGAGACCGTACTGTCTGGATATCGATGAATGTGCC
ACCAGCAATACCACTCTCTGTGCACATATCTGCATCAACACCATGGGCAGCTACCACTGTGAGTGTCCGG
AGGGTACATCCTTGAGGACGATGGGAGGACCTGCACAAGGGGAGACAAATACCCCAATGACACTGGGCA
TGAAGAGAAGTCCGAGAAATGAGGTGAAAGCCGGGACCTGCTGCGCCACATGCAAAGAGTTCTCCAGATG
AAGCAGACCGTGTGACGCTGAAACAGAAGATGGCGTGTCCCCAACATGCCGCTGAAGTGGCAAGT
ATGTCAATGGTGACAAGTACTGGCCTCAAACGCTACCTTCCAGGACCTCCTGGCCTGCCTGGGGGACA
GGGCCCACAGGCTCACCAGGACCAAGGGGAGCCCTGGATTCCCCGGTATGCCAGGCCCTCCTGGACAG
CCAGGCCACGGGGCTCAATGGGACCTATGGGACCTTCCCCTGACCTGTCTCATTAAGCAAGGCCGGA
GGGGCCCCGTGGGCCACCAAGGAGCACCAGGAAGACACGGCTCCAAGGGGAGAGAGGAGACCCCGGACC
CCCGGGTCTCCGGGACCCAGGTTCTTTCGACTTCTGCTGCTGTGCTGGCGGACATTCGAAATGAC
ATCGCAGAGCTGCAGGAGAAGGTGTTTGGACACCGGACTCACTCTCCGCGGAGGACTTCCCCTACCTC
AGGAATTTCCAGCTACCCAGAGACGCTGGACTTTGGCTCTGGAGATGACTACTCCAGAAGAACTGAAGC
AAGGGACCCCGAGGCCCAAGAAATTTTATCCA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR217003 representing NM_178793
Red=Cloning site Green=Tags(s)

MVPPPLPSRGGAAKRQLGKSLGPLLLLLALGHTWYREEPEDRDREVCSENKITTTKYPCLKSSGELTTC
 FRKKCKGKYKFLVLCIPEDYDICAQAPCEQQCTDNFGRVLCCTCYPGYRYDRERHQKRRERPYCLDIDECA
 TSNTTLCAHICINTMGSYHCECREGYILEDGRTCTRGDKYPNDTGHEEKSENEVKAGTCCATCKEFSQM
 KQTVLQLKQKMLLPNNAELGKYVNGDKVLASNAYLPGPPGLPGGQPPGSPGPKGSPGFPGMPGPPGQ
 PGPRGSMGPMGSPDLSEIKQRRRGPVGGPPGAPGRHGSKGERGAPGPPGSPGPPGDFLLLLVLADIRND
 IAEKQKVFGRHRTSSAEDFPLPQEFSSYPETLDFGSGDDYSRRTEARDPEAPRNFYP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9041_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_178793

ORF Size: 1224 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_178793.4](#), [NP_848908.1](#)

RefSeq Size: 5742 bp

RefSeq ORF: 1227 bp

Locus ID: 320924

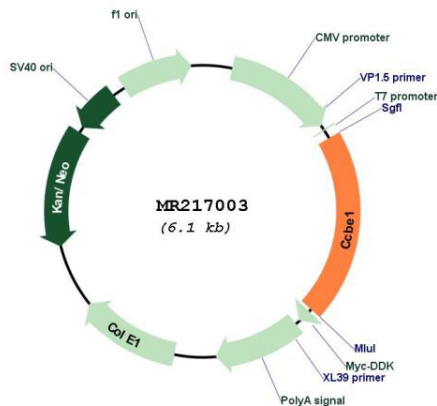
UniProt ID: [Q3MI99](#)

Cytogenetics: 18 E1

MW: 44.8 kDa

Gene Summary: Required for lymphangioblast budding and angiogenic sprouting from venous endothelium during embryogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217003