

Product datasheet for **SC335206**

CAPZB (NM_001282162) Human Untagged Clone

Product data:

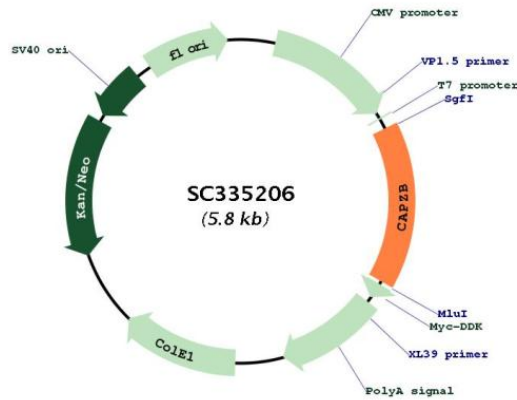
Product Type:	Expression Plasmids
Product Name:	CAPZB (NM_001282162) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPZB
Synonyms:	CAPB; CAPPB; CAPZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335206 representing NM_001282162. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACCAAGCAGGCGCAGCCTCCCCTTCCCTCTGAACTGTCAGCTTGAAGGGTTGAACTGCTGAT
TATGGAAGTCCCTCGGATCAGAGTGATCAGCAGCTGGACTGTGCCTTGGACCTAATGAGGCGCCTGCCT
CCCCAGCAAATCGAGAAAAACCTCAGCGACCTGATCGACCTGGTCCCCAGTCTATGTGAGGATCTCCTG
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CTGATTTTGAAGTGGGCTCTCATCTGTCTACCTCTGGGATCTGGATCATGGCTTTGCTGGAGTGATC
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GTGCAGGAGAAATCCAGCGGTGCGACCGCCATTACAAGTTGACCTCCACGGTGATGCTGTGGCTGCAG
ACCAACAAATCTGGCTCTGGCACCATGAACCTCGGAGGCAGCCTTACCAGACAGATGGAGAAGGATGAA
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ACTTTTGCAGACAAATCAAACAAGAAGCTCTGAAGAATGACCTGGTGGAGGCTTTGAAGAGAAAGCAG
CAATGCTAA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001282162

Insert Size: 906 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.

RefSeq: [NM_001282162.1](#)

RefSeq Size: 2109 bp

RefSeq ORF: 906 bp

Locus ID: 832

UniProt ID: [P47756](#)

Cytogenetics: 1p36.13

MW: 33.8 kDa

Gene Summary: This gene encodes the beta subunit of the barbed-end actin binding protein, which belongs to the F-actin capping protein family. The capping protein is a heterodimeric actin capping protein that blocks actin filament assembly and disassembly at the fast growing (barbed) filament ends and functions in regulating actin filament dynamics as well as in stabilizing actin filament lengths in muscle and nonmuscle cells. A pseudogene of this gene is located on the long arm of chromosome 2. Multiple alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, Aug 2013]
Transcript Variant: This variant (4) uses an alternate 5' terminal exon, and thus differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at an alternate AUG and result in an isoform (4) with a longer and distinct N-terminus, compared to isoform 1.