

Product datasheet for SC117036

CAPZB (NM_004930) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPZB (NM_004930) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPZB
Synonyms:	CAPB; CAPPB; CAPZ
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC117036 sequence for NM_004930 edited (data generated by NextGen Sequencing)

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ATGAGTGATCAGCAGCTGGACTGTGCCTTGGACCTAATGAGGCGCCTGCCTCCCCAGCAA
ATCGAGAAAAACCTCAGCGACCTGATCGACCTGGTCCCCAGTCTATGTGAGGATCTCCTG
TCTTCTGTTGACCAGCCACTGAAAATTGCCAGAGACAAGGTGGTGGAAAGGATTACCTT
TTGTGTGACTACAACAGAGATGGGGACTCCTATAGGTCACCATGGAGTAACAAGTATGAC
CCTCCCTTGGAGGATGGGGCCATGCCGTCAGCTCGGCTGAGAAAGCTGGAGGTGGAAGCC
AACAAATGCCTTTGACCAGTATCGAGACCTGTATTTTGAAGGTGGCGTCTCATCTGTCTAC
CTCTGGGATCTGGATCATGGCTTTGCTGGAGTGATCCTCATAAAGAAGGCTGGAGATGGA
TCAAAGAAGATCAAAGGCTGCTGGGATTCCATCCACGTGGTAGAAGTGCAGGAGAAATCC
AGCGGTGCGACCCCCATTACAAGTTGACCTCCACGGTGATGCTGTGGCTGCAGACCAAC
AAATCTGGCTCTGGCACCATGAACCTCGGAGGCAGCCTTACCAGACAGATGGAGAAGGAT
GAAACTGTGAGTGACTGCTCCCCACACATAGCCAACATCGGGCGCCTGGTAGAGGACATG
GAAAAATAAATCAGAAGTACGCTGAACGAGATCTACTTTGGAAAAACAAAGGATATCGTC
AATGGGCTGAGGTCTGTGCAGACTTTTGCAGACAAATCAAACAAGAAGCTCTGAAGAAT
GACCTGGTGGAGGCTTTGAAGAGAAAGCAGCAATGCTAA
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Clone variation with respect to NM_004930.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004930 unedited CGGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCCGGGACCG GGACCGCCGCGCCGCGCCACCATGAGTGATCAGCAGCTGGACTGTGCCTTGGACCTAA TGAGGGCGCTGCCTCCCCAGCAAATCGAGAAAAACCTCAGCGACCTGATCGACCTGGTCC CCAGTCTATGTGAGGATCTCTGTCTTCTGTTGACCAGCCACTGAAAATTGCCAGAGACA AGGTGGTGGGAAAGGATTACCTTTTGTGTGACTACAACAGAGATGGGGACTCCTATAGGT CACCATTGGAGTAACAAGTATGACCCTCCCTTGGAGGATGGGGCCATGCCGTCAGCTCGGC TGAGAAAAGCTGGAGGTGGAAGCCAACAATGCCTTTGACCAGTATCGAGACCTGTATTTTG AAGGTGGCGTCTCATCTGTCTACCTCTGGGATCTGGATCATGGCTTTGCTGGAGTGATCC TCATAAAGAAGGCTGGAGATGGATCAAAGAAGATCAAAGGCTGCTGGGATTCCATCCACG TGGTAGAAGTGCAGGAGAAATCCAGCGTCCGACCGCCATTACAAGTTGACCTCCACGG TGATGCTGTGGCTGCAGACCAACAATCTGGCTCTGGCACCATGAACCTCGGAGGCAGCC TTACCAGACAGATGGAGAAGGATGAAACTGTGAGTGACTGCTCCACACATAGCCAACA TCGGGCGCTGGTAGAGGACATGGNAAAATAAATCAGAAGTACGCTGAACGAGATCTACT TTGAAAAACANAGGATATCGTCATGGGCTGAGGTCTGTGCAGACTTTTGCANGACAATC AAAACAGNAGCTCTGAAGATGACCTGGTGGAGGCTTTGAAGAGAAAGCANCATGCTAAAC CTCTGNTTCATGCTAACAGACACGCCGTGCACTCGTAGATTCCCTTCTAAAACCTGTTT CTGCTCCTTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004930 unedited NCACAGGGATCTACCCCAATCCAGGATCNGTTTAAAATCTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTTTTAAACCGCCCCCAATTC TTTTTATGGATTTCTTTTTTTTTTTTTTTTAAAGTTGGGGGGCCCAAGTTAAAAAGGAA ATTTTTTTTTTAACTTTCCAAAAACAATTTATACAAAACCCCTTTTGCCTTCCA TAAAAATTGACAAAAACCCCTGGCCGAAAAACGGAACGGTGGGGGAAACCCCCCCA GCCCCACCCCGGGCCTCCGGGGACGGGAAAATTTGCCAAGACGGCCCGAGGGCCC CCTTTGTCCTCAAGGTGCTCCCTGGCCCCACAACCCCAACCCCAAGAAATTCCTAAAC ACCCCGGAAAAAATTTCCAGTTTTTTTTTTTTTTTTTACCCCCCCAGTTAGTTCAA AAATTTTTTGGTTTACATTTTTTACCCCAATGTCCAAAAAGGGGGAGGGAAAGGAGG CTGGCAACAGGGGATTTATCCCATAAATGGGGGGACAGGGAGAAAAACGGGGGGCCC GGGTGAACAAAAACCCCGTCTTTTTGGAAATGGGGAAAAAAGTAAAGCCAGGGGGG GCAAAAAACAGGCTCGGACCCCGAGGAGGGGGCTATCGGCTTTATTCTCAAGGAAAGATG GCCCTGTGCCGTCATGAAGCACCTTTTATGTGACCCCGGGGGAGGGAAAGGACCAGGG GAGGGGACCCCAAAACAGTTTTTTAAAAAAGAATCTTAACAGGCCCGCGGTTGCTTG GTTAACAAAAACCAAGTTTAAACATTGGTTGTTCTTTTTGAAGCTCCCCCAAGGTCT TTTTTAAAAATCTTTTGGTTGGATTGG
Restriction Sites:	NotI-NotI
ACCN:	NM_004930
Insert Size:	1750 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).
RefSeq:	NM_004930.1 , NP_004921.1
RefSeq Size:	1077 bp
RefSeq ORF:	819 bp
Locus ID:	832

UniProt ID: [P47756](#), [A0A384MR50](#), [Q7L4N0](#)

Domains: F_actin_cap_B

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 (1) encodes isoform 1.