

Product datasheet for **SC323780**

CAPZA1 (NM_006135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPZA1 (NM_006135) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAPZA1
Synonyms:	CAPPA1; CAPZ; CAZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006135.2
 GGCCAGAACAGCCCAAGATGGCCGACTTCGATGATCGTGTGTCGGATGAGGAGAAGGTAC
 GCATAGCTGCTAAATTCATCACTCATGCACCCAGGGGAATTTAATGAAGTATTCAATG
 ACGTTCCGGCTACTACTTAATAATGACAATCTCCTCAGGGAAGGGGAGCAGACATGCATTTG
 CCCAGTATAACATGGATCAGTTCACGCCTGTGAAGATAGAAGGATATGAAGATCAGGTCT
 TAATTACAGAGCACGGTGACCTGGGTAATAGCAGATTTTTAGATCCAAGAAAACAAAATTT
 CCTTTAAATTTGACCACTTACGGAAAGAAGCAAGTGACCCCCAGCCAGAAGAAGCAGATG
 GAGGTCTGAAGTCTTGGAGAGAATCCTGTGACAGTGCTTTAAGAGCCTATGTGAAAGACC
 ATTATTCCAACGGCTTCTGTACTGTTTATGCTAAAATATCGATGGGCAACAGACTATTA
 TTGCATGTATTGAAAGCCACCAGTTTCAGCCTAAAACTTCTGGAATGGTCGTTGGAGAT
 CAGAGTGGAAAGTTCACCATCACACCACCTACAGCCAGGTGGTTGGCGTGCTTAAGATTC
 AGGTTCACTATTATGAAGATGGCAATGTTCAAGTTGTTAGTCATAAAGATGTACAGGATT
 CACTAACTGTTTTCGAATGAAGCCAAAAGTCCAAAGGAGTTTATTAATCATAGAGAATG
 CAGAAAATGAGTATCAGACAGCAATTAGTAAAATATCAAACAATGTCAGATACCACAT
 TCAAGGCCTTGCAGCCGAGCTTCCAGTTACCCGCACCAAAAATCGACTGGAACAAGATAC
 TCAGCTACAAGATTGGCAAAGAAAATGCAGAATGCTTAAAGGCTGAATGTAGGATTCTTCA
 GTATGTGAAAGACAAGGATTCAACGTGTGGTCATATGATAAATAAGTGATTTATAAACA
 AGAGTGATATTTTCTAGGGCTTTCAAAGTTAACCGGTTTTCTAGCCTCATGGAATACTG
 TTGAACCTATAGCGTTGTCTTATTCTTTTGTGTTCTCTGCCTTGAATTTTCTGTTACT
 GCTATATCTACGTGTAATCTTTTTTCTTTTTTTTTTTTTTTTTTTGGTTAATTTCTGCC
 ACATTTAATGTTGGTGAGAGAGTGATCTATCCTAATGACATTTTACTGTTAAAAAGTT
 TCCTAGCCATGAAGCCCTGCTACTGATTTAGACAAGGTATTATGGTCATTACTTTGTACC
 CCTATCCTTCCAAGCACTTCTGGTACTTCAGTCGTTTTTACTGATCCACCAACACCTAAA
 GAGGCTATGCTACAGTCTCTAGCTAAATGGAAGACACATTCATCCTTCTCCCTCTGACTG
 CTTTGATCATCATTTATTGCATCTCATAACTAATTTTCTAAAGTTTGGATTGGGACTTTT
 CAGGTCCTTTTTGGAGGGCAAAGGAAGTCCAGCTTCTCTGGGAACTTGTTTTTAAATC
 CAAAGACTTGAACCACATTCCCTGCACATGAACATGTTTGCTTTTATCCCTTCTCTCATT
 GTCTCCTTCCCATCTTAGTACCATTGTAGTTATAAACACTGTCATTTTTTAGAAGCATT
 TACCCATTTATTTTTTAAACATTCAAGAAGTCTGACGACTGTGGATGTAGAGTATAA
 AACTTGAAAAATGCAGATGTTGAAGGAATAATAGGTATCTTGTGCTTTAATACTTTATGG
 CAGGATTGTAATAAGCAAATGAATTAACAGCTATGAAATCATAAAGAAAAACTAAA
 AATGAACCAAAGTGAAGGATAACTTCCAGGCAGTATCTTCTATTGTAACCTGTATTT
 AAGGAAATACTAGTGATTTCTTCTAAATAGGATGTAAAATCTTTCAAATTACTCTTCC
 TCAGTCTGCCTGCCAAGAACTCAAGTGAACGTGTGATAAAAAAACCTTTCCAGGTATA
 TTGGCAGGTATGTGTGAATCTCAGAATACACAGGTGACATAGATATGATATGACAACTG
 GTAATGGTGGATTCATTTACATTGTTTACACTTCTATGACCAGGCCTTAAGGGAAGGTCA
 GTTTTTTAAAAACCAAGTAGTGTCTTCTACCTATCTCCAGATACATGTCAAAAAAGA
 AAGGTGTTGTGCTTCCGTTTTGTTTCTGCTCAGTAATATAGTCAAGCAAGTTTGTCCA
 GGTGACCCATTGAGCTGTGTATGCATTTTTGTTTATTTCAATAAAATATATTTGTATTAT
 TTGTCCTTCATACTATCCATCCATACCACACTATCTTCTGTATCAGGTAGTCTAATAGAA
 ATATACCTGTTTTGTTCTAAAATTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_006135

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_006135.2 , NP_006126.1
RefSeq Size:	2758 bp
RefSeq ORF:	861 bp
Locus ID:	829
UniProt ID:	P52907
Cytogenetics:	1p13.2
Domains:	F-actin_cap_A
Gene Summary:	CAPZA1 is a member of the F-actin capping protein alpha subunit family. This gene encodes the alpha subunit of the barbed-end actin binding protein. The protein regulates growth of the actin filament by capping the barbed end of growing actin filaments. [provided by RefSeq, Jul 2008]