

Product datasheet for **MC208213**

Capzb (NM_001037761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capzb (NM_001037761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capzb
Synonyms:	1700120C01Rik; AI325129; Cap; Cappb1; CPB; CPB1; CPB2; CPbeat2; CPbet; CPbeta1; CPbeta2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208213 representing NM_001037761 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGATCAGCAGCTGGACTGCGCCTTGGACCTGATGAGGGCGCTGCCTCCACAGCAGATTGAGAAGA
ACCTCAGCGATCTGATCGACCTGGTCCCCAGTCTGTGTGAAGATCTCCTGTCATCTGTTGACCAGCCCT
GAAAATTGCCAGAGACAAGGTGGTGGGCAAGGATTACCTTTGTGTGACTACAACAGAGACGGGGACTCC
TATAGGTCACCGTGGAGTAACAAGTATGACCCTCCTTTGGAAGATGGGGCCATGCCATCTGCTCGGCTCA
GAAAGCTGGAGGTAGAGGCCAACATGCCTTCGACCAATACCGAGACCTGTATTTGAAGGTGGGGTCTC
ATCAGTCTACCTCTGGGATCTTGATCATGGCTTTGCTGGAGTGATCCTCATAAAGAAAGCTGGAGATGGA
TCCAAGAAGATCAAAGGCTGCTGGGATTCCATCCACGTGGTGGAAAGTGCAGGAGAAGTCCAGCGGCCGTA
CTGCCATTACAAGTTGACCTCCACGGTGATGCTATGGCTGCAAACCAACAAATCCGGCTCGGGCACCAT
GAACCTGGGAGGCAGCCTAACCGACAGATGGAGAAAGACGAAACTGTGAGTGACTGTTCCACACATA
GCCAACATCGGGCGCCTGGTGGAGGACATGGAAAACAAATCCGAAGCACGCTGAATGAGATCTACTTTG
GAAAAACAAAGGACATCGTCAACGGGCTGAGATCTCTTGATGCTATCCCCGACAACCACAAGTTTAAGCA
GTTGCAGAGGGAACCTTCTCAAGTGCTGACCCAGCGCCAGGTCTACATCCAGCCTGATAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001037761
Insert Size:	834 bp



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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:	<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_001037761.2 , NP_001032850.1
RefSeq Size:	1789 bp
RefSeq ORF:	834 bp
Locus ID:	12345
UniProt ID:	P47757
Cytogenetics:	4 70.59 cM
Gene Summary:	<p>This gene encodes the beta subunit of a highly conserved filamentous actin capping protein that binds the barbed end of filamentous actin to stabilize it and terminate elongation. Interaction of this protein with the barbed end of the actin filament occurs through binding of the amphipathic helix at the C-terminus to the hydrophobic cleft on the actin molecule. This gene is required for a variety of dynamic actin-mediated processes including organization of lamellipodia and filopodia, growth cone morphology and neurite outgrowth in hippocampal neurons, and asymmetric spindle migration and polar body extrusion during oocyte maturation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.</p>