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Product datasheet for MC219968

Capn6 (NM_007603) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capn6 (NM_007603) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Capn6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219968 representing NM_007603
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTCCTCCTCTGAAGCTCTTCAAAAACCAGAAGTACCAAGAACTGAAGCAGGAGTGCATGAAGGATG
GCCGCCTTTTCTGTGACCCAACCTTCCTACCGGAGAATGATTCTCTGTTTTTCAACCGGCTGCTTCCTGG
GAAGGTGGTGTGGAAGCGTCCACAGGACATTTCTGATGACCCCCACCTGATTGTGGGCAACATCAGCAAC
CACCAGCTGATCCAGGGCAGATTGGGGAACAAGGCAATGATCTCTGCATTTTCCTGTTTGGCTGTTCAGG
AGTCACACTGGACAAAGGCAATTCCCAACCACAAGGATCAGGAATGGGATCCTCGAAAGCCAGAGAAATA
CGCTGGAATCTTTCACTTCCGCTTCTGGCATTTTGGAGAATGGACCGAGGTGGTGATTGATGACTTGCTT
CCCACCATCAACGGAGATCTGGTCTTCTCATTCTCCACCTCCATGAATGAGTTTTGGAATGCTCTACTGG
AAAAAGCGTATGCAAAGCTGCTGGGCTGTTATGAGGCTTTGGATGGTCTGACCATCACTGATATCATCAT
GGACTTCACTGGCACACTGGCTGAAATCATTGACATGCAGAAAGGACGATACACTGATCTTGTTGAGGAG
AAGTACAAGCTGTTTGGAGAACTGTACAAAACGTTCACCAAAGGAGGTCTAATTTGCTGCTCCATTGAGT
CTCCCAGCCAGGAGGAACAAGAAGTTGAAACAGACTGGGGACTACTGAAGGGTTATACCTACACCATGAC
TGATATTCGCAAGCTCCGTCTCGGAGAAAGACTTGTGGAAGTCTTCAGTACTGAGAAGCTGTATATGGTT
CGCCTAAGGAACCCATTGGGAAGACAGGAATGGAGTGGCCCCTGGAGTGAAATTTCAGAGGAGTGGCAGC
AACTGACTGTAACAGATCGCAAGAACCTAGGACTTGTTATGTCTGATGATGGAGAATTTTGGATGAGTCT
GGAAGATTTTTGCCACAACTTTCACAAACTGAATGTCTGCCGCAATGTGAATAATCCTGTTTTTGGCCGC
AAGGAGCTGGAATCAGTGGTGGGATGTTGGACTGTGGATGATGACCCTCTGATGAACCGATCAGGAGGTT
GCTATAACAACCGTGATACCTTCTTGCAGAATCCTCAGTACATTTTCACTGTGCCCGAGGATGGCCATAA
AGTCATCATGTCACTGCAACAGAAGGACCTACGCACTTACCGCCGAATGGGAAGACCTGATAATTACATC
ATTGGTTTTGAGCTCTTCAAGGTGGAGATGAACCGAAGGTTCCGTCTTCACCATCTGTATATTCAGGAGC
GTGCTGGGACTTCCACTTATATCGACACCCGTACTGTGTTTCTGAGCAAGTATCTGAAGAAGGGCAGCTA
CGTGCTTGTTCCAACCATGTTCCAACATGGCCGTACCAGTGAATTTCTGCTGAGGATCTTCTCTGAAGTG
CCCGTCCAGCTCAGGGAACTGACCTTGGACATGCCCAAGATGTCTTGCTGGAACCTGGCACGTGGCTACC
CAAAGGTGGTTACCCAGATCACTGTCCACAGTGCTGAGGGCCTGGAGAAGAAGTATGCCAATGAAACTGT
CAATCCATATCTGATCATCAAATGTGGAAAGGAGGAAGTCCGTTCCCCTGTCCAGAAGAATACTGTGCAT
GCCATTTTTGACACGCAGGCCATTTTCTACAGAAGGACCACTGACATTCCTATTATCATCCAGGTGTGGA
ACAGCAGAAAATTCTGTGATCAGTTCCTGGGGCAGGTTACTCTCGATGCTGACCCCAGCGACTGCCGTGA
TCTGAAATCTCTGTACCTGCGTAAGAAGGGTGGTCCTACTGCCAAAGTCAAGCAAGGTCACATCAGCTTC
AAAGTTATCTCTAGCGATGATCTCACTGAGCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007603

Insert Size: 1926 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).

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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_007603.3, NP_031629.3
RefSeq Size:	3579 bp
RefSeq ORF:	1926 bp
Locus ID:	12338
UniProt ID:	O35646
Cytogenetics:	X F2
Gene Summary:	Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues.[UniProtKB/Swiss-Prot Function]

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