

## Product datasheet for MC207732

### Ccsap (NM\_028536) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccsap (NM_028536) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccsap
Synonyms:	1700054N08Rik; A1853424
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207732 representing NM_028536 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGCCGGCAGCGGGTGAAGAGCGAGTATATGAAGCGCTATCGGGAGCCGCGCTGGGACGAATACG  
CGCCGTGCTACCGCGAGCTGCTGCGCTACCGCCTGGGCCCGCGGCTGCTGGAGCAAGCGCACGCGCCCTG  
GCTCTGGGACGCCTGGGGCCGGACAGCCCTCGGACAGCTCGGCTTACCCAGTCCGGCCCCAGGGC  
GCGTTAGGGGAGCCCTCGCGCCCTCCGCGGGAGGAGGAGCAGCCGGTGGGGAGCGCGCGCGGAGC  
TGCGGGACGCGGAGGAGCAGGACACAGTGTACCAGCACCACAAAAAGGACACGGAAGAGAAACCCGA  
AGAACACAAGACAAAAGAGACTGATGGGCACCCAGTGGCCCTGGACCGGGCAACAGCCTAGTGCCTTA  
TGTGCCAGAGGAAGTAAGAAAGCCACCAGAAGCCACAGAGATCGACGAGCAAGATAAAAGAGAACAAGC  
ACCCGTTTGTCTTTATGGCTGGGGAGAGAGACAGATGGACATGGGAAGCCAGAAGACACACAACGTCTG  
CGCGTCAGCCTCTGTGCACGAGATTCAATGAATCAGCACTTCGAGCCAAGAATAGAAGACAGGTGGAGAAA  
AGGAAGCTGGCTGCCAGAGGCAGCGGGCTCACTCGGTGGACGTGAAAAGAACCAGAGGGTAAAGCCGG  
CGTCTGCCGAGAACCATGGCTGACAGAGTATATGCGGTGCTACTCAGCGAGGGCG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_028536
Insert Size:	759 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028536.1</a> , <a href="#">NP_082812.1</a>
<b>RefSeq Size:</b>	2719 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	73420
<b>UniProt ID:</b>	<a href="#">Q8QZT2</a>
<b>Cytogenetics:</b>	8 E2
<b>Gene Summary:</b>	Plays a role in microtubule (MT) stabilization and this stabilization involves the maintenance of NUMA1 at the spindle poles. Colocalizes with polyglutamylated MTs to promote MT stabilization and regulate bipolar spindle formation in mitosis. Binding of CCSAP to centrosomes and the spindle around centrosomes during mitosis inhibits MT depolymerization, thereby stabilizing the mitotic spindle. May play a role in embryonic development. May be required for proper cilia beating (By similarity).[UniProtKB/Swiss-Prot Function]