

## Product datasheet for **MC200512**

### Casp7 (NM\_007611) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Casp7 (NM_007611) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Casp7
Synonyms:	AI314680; caspase-7; CMH-1; ICE-IAP3; mCASP-7; Mch3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC005428 sequence for NM\_007611  
 GGAGGACGGACGCTGCCGTGGGCTCCTGGCCGCCCGTGGGAACGATGACCGATGATCAGGACTGTGCT  
 GCGGAGCTGGAAAAGGTGGATTCTTCCAGCGAAGACGGAGTTGACGCCAAGCCAGACCGCTCCTCTATCA  
 TCTCCTATTCTCTTGAAGAAGAAGAGAAATGCCTCTGCGGGCCCCGTGAGGACCGGCCGGGACCGAGT  
 GCCCACTATCTGTACCGCATGGATTTCCAGAAGATGGGTAATGCATCATATAAACAACAAGAACTTC  
 GACAAAGCGACAGGTATGGACGTCGGAAATGGGACGGACAAGATGCAGGGGCCCTTTCAAGTGCCTCC  
 AAAACCTGGGTTTTGAAGTAACCGTCCACAATGACTGCTTTGTGCAAGATGCAAGATCTGCTTAGAAA  
 AGCCTCTGAGGAGGACCACAGCAACTCGGCCTGCTTCGCCTGCGTCTGCTGAGCCACGGGAAGAGGAC  
 CTGATTTACGGGAAGATGGCGTGACACCATAAAGGATCTGACAGCTCATTTTTAGGGGAGACCGATGCA  
 AAACCCTGTTAGAGAAAACCCAACTCTTCTTATTGAGGATGCCGAGGGACGGAGCTCGATGATGGAAT  
 CCAGGCTGACTCGGGGCCATCAACGACATTGACGCTAATCCCCGCAACAAGATCCCGTGGAAAGCCGAC  
 TTCCTCTTTGCTTACTCCAGGTTCCAGGTTATTACTCATGGAGGAACCCAGGAAAGGCTCCTGGTTTG  
 TGCAGGCCCTCTGCTCCATCCTGAATGAGCATGGCAAGGACCTCGAGATCATGCAGATCCTGACCAGGT  
 GAACGACAGGGTGGCCAGGCACTTCGAGTCCCAGTCTGATGATCCACGCTTCAACGAGAAGAAGCAGATC  
 CCGTGTATGGTGTCCATGCTCACAAAGAGCTGTACTTCAGCCGTTGACCACCCTTCAGCTGAGAACCTG  
 CCGCCGTTGCTGATGAATCCAGTTTTTATTTTATTTTGTTCGATGCTCTCAAAATATCCAGAAATGT  
 TGAGGGGATTTAATTTACGAAAAGTCTAGATTTTTTTTTTTTTTTTAAATAACTTTGTTTCATCTGATGAC  
 TTCATGCTCTTCTCTAAGGTTGATTTCTGTTTCTGTTTCTTTTTTCTTTGTCGTCCTGCTGAGTGCA  
 TGCTGTGAGCATGACCTCTGGAGAAGACATTGGCAATGACGTCTCAGTTGAACTTGGCAAAGAGAATCCC  
 AGCTCTTGATGAAAGAATACAGCTGCGACACCTGTTGGCTCCATTGGCAAAGGTGGCTGCTGAGTGGTT  
 GTTCTCAGTGGCTTAGGGCAGATTTTTAAGCCGACCTCCCAGGTGGCTGAGAGAAGACGACAGTTAATA  
 TTCCAGTATATAGAACCCAATCCAGAAAATAAGCCATCCTAGGAATATCGGTGCAGAAGGGTCAATACAG  
 GGAATTCAGTACTCGGTAATTGAGAGACAGTCAATCCCGTTACCTCACATGCCTCTGTGGGGCTGAA  
 GAGGACTTCGGTTCCCTTGTTCATCAGTAAGAAGTGTGGCAGGGCAGCCTTCTAGAGACTAGAACCATGGA  
 GGACTATGGTGATTGGAGCCAGGCTCAGGACAAGCCACTGCCTGAGATGGAAACCAAGCCAGAAGTGA  
 CAGACACCAAAGGCTCCCGAGGCTGTGCCATATCCACCAGCGCCTTATAATTCGAAGTGCCTGAAA  
 GCCAACTAGTGGGGCTAGGGACCATGTACCCTGTGCTACAGAGCAGAGGAAGGGATAGCAAAGCAGG  
 GGTAGTGGTGGGGTAACTTGGCTCAAAATGTGAATTAATAACCATGCTCCTCTGGCGTGTACAATGT  
 ATTCATTCATTCATTCATGATTTGTCAGATCATCCATCCACAGGTGCTGAAGAGTAACCCATTTCACT  
 TTGTATAAAGATAATGTTTTGTACTTCAAATACATCTGGAATTTCTTCAAATATTCGAAGTTTTTTT  
 TTTTTTCTGAATAATCTTTGGTTACCTCTGGTTCTACAATGACAATTTAGGCGAAGATCTTAGCAGTT  
 TCTTTCAAGGTATCATTCTTTGGAATTCGTTATACATTCCTGTTTTTCCACCTAATAAATGGTTGA  
 CAGATGTTCTATTTATTGATTAATGTTTTCAGAACTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_007611

**Insert Size:** 912 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).

**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:** [BC005428](#), [AAH05428](#)

**RefSeq Size:** 2305 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 12369

**UniProt ID:** [P97864](#)

**Cytogenetics:** 19 51.84 cM

**Gene Summary:** Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Overexpression promotes programmed cell death (By similarity).[UniProtKB/Swiss-Prot Function]