

## Product datasheet for **MC216100**

### Casp9 (NM\_015733) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Casp9 (NM_015733) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Casp9
Synonyms:	A1115399; APAF-3; AW493809; Casp; CASP-9; Caspase-9; ICE-; ICE-LAP6; Mch6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC216100 representing NM\_015733  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACGAGGCGGACCGGACGCTCTGCGCGATGCAGGGTGCCTAGTGAGCGAGCTGCAAGTCGCGG  
 AGCTCTGGGACGCTCTGCTGAGTCGAGAGCTCTTACGCGGACATGATCGAGGATATTCAGCAGGCAGG  
 ATCTGGGTCTCGGCGGGATCAGGCCAGGACGCTGGTACAGACCTTGAGACCCGAGGGAGGCAGGCCCTT  
 CCTCTCTCATCTCTGCTTAGAGGACACAGGCCAAGGCACCCTGGCTTCACTCTTGCAAAGCGGTGCGC  
 AAGCAGCCAAGCAGGATCCAGAGGCTGTTAAACCCCTAGACCACCTGGTGCCTGTGGTCTGGGACCAAT  
 GGGACTCACAGCAAAGGAGCAGAGAGTGTGAAGCTGGACCCGTCACAGCCTGCCGTGGGAAACCTCACC  
 CCAGTGGTCTGGGGCCAGAAGAGCTCTGGCCTGCTCGGCTCAAGCCAGAGGTTCTCAGACCAGAAACAC  
 CCAGGCCCGTGGACATTGGTTCTGGCGGAGCTCATGATGTCTGTGTTCCAGGGAAGATCAGGGGACATGC  
 AGATATGGCATACACCCTGGATTCGGATCCCTGTGGCCACTGCCTCATCAACAATGTGAACTTCTGC  
 CCTTCTCGGGGCTCGGCACACGCACGGCTCCAACCTGGACCGTGACAACTTGAGCACCATTCCGCT  
 GGCTGCGCTTTCATGGTGGAGGTGAAGAAGACCTGACTGCCAAGAAAATGGTCACGGCTTTGATGGAGAT  
 GGCACACCCGGAACCACCTGCCCTGGACTGCTTTGTGGTGGTTCATCCTCTCATGGCTGCCAGGCCAGC  
 CACCTCCAGTTCGCGGTGCTGTCTATGGGACAGATGGATGCTCCGTGTCCATTGAGAAAATTGTGAATA  
 TCTTCAACGGGAGCGGCTGCCCCAGCCTGGGAGGGAAGCCCAAGCTTCTTTCATCCAGGCCCTGCGGTGG  
 TGAGCAGAAAGACCATGGCTTTGAGGTGGCCTGCACCTTCTCAAGGCAGGACCTTGGACAGTGACTCT  
 GAGCCAGATGCTGTCCCCTATCAGGAAGGCCAAGGCCCTGGACCAGCTGGATGCTGTGTAAGTTTGC  
 CTACCCCAAGTACATCCTTGTGCTACTCCACCTTCCAGGTTTGTCTCCTGGAGGACAAGAAAAG  
 TGGCTCCTGGTACATCGAGACCTTGGATGGCATTCTGGAGCAGTGGGCTCGCTCTGAAGACCTGCAGTCC  
 CTCTTCTCAGGGTTGCAATGCTGTTTCTGCGAAAGGGACTTACAAGCAGATTCTGGCTGTTTTAACT  
 TCCTCCGAAAAAGCTGTTTTTAAACTTCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_015733
- Insert Size:** 1365 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: [NM\\_015733.5](#), [NP\\_056548.2](#)

RefSeq Size: 3899 bp

RefSeq ORF: 1365 bp

Locus ID: 12371

UniProt ID: [Q8C3Q9](#)

Cytogenetics: 4 D3

**Gene Summary:** This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, the initiator caspase, is activated after cytochrome c release from mitochondria and targets downstream effectors. In mouse, deficiency of this gene can cause perinatal lethality. This protein may have a role in normal brain development. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Apr 2013]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).