

Product datasheet for **MC200404**

Casp8 (NM_009812) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp8 (NM_009812) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Casp8
Synonyms:	Casp; CASP-8; FLI; FLICE; MAC; MACH; Mch5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006737 sequence for NM_009812
 GCAGCCTATGGCCTCTAGGGCTGGCACCAGGATGCCACCTCTAATGATTAACCTCAAACGCCTCTAAACAT
 TCGGAGGCATTTCTGTCCCTATGCCCTAGTTCTCTCAGTTGTCTTTTCATTCTGACTTCGGTGCTTAAAA
 GTCCAGCTTCTCGGAATCGGTAGCAAACCTCTGTGAGCCGGCGTGAACAGGAAGTGAGTACAGTTCTGG
 GGAGCGCCGGCCGGCTGGAGGCTCGGAAAGCCCAAGCCAGCGGAGGCCTCGCCGAGCTGGAGTTGTG
 ACCGGCGCGCAGGTAAGTCTCGGCCACAGGTTACAGCTCTTCTACCTCTTGATAAGAATGGATTTCCAGAGT
 TGTCTTTATGCTATTGCTGAAGAACTGGGCAGTGAAGACCTGGCTGCCCTCAAGTTCCTGTGCTGGACT
 ACATCCCACACAAGAAGCAGGAGACCATCGAGGATGCCAGAAAGCTATTTCTGAGGCTGCGGAAAAGGG
 GATGTTGGAGGAAGCAATCTGTCTTCTGAAAAGAGCTGCTTTTCCACATCAGTCGGTGGGACCTGCTG
 GTCAACTTCTAGACTGCAACCGAGAGGAGATGGTGAGAGAGCTGCGGGATCCAGACAATGCCAGATTT
 CTCCTACAGGGTCATGCTCTTTAAGCTCTCAGAAGAAGTGAGCGAGTTGGAATTGAGATCTTTAAGTT
 CCTTTTGAACAATGAGATCCCCAAATGTAAGCTGGAAGATGACTTGAGCCTGCTTGAAATTTTTGTAGAA
 ATGGAGAAGAGGACCATGCTGGCAGAAAATAACTTGAAACCCTAAAATCAATCTGTGACCAGGTCAACA
 AGAGCCTGCTGGGAAGATCGAGGATTATGAAAGATCAAGCACAGAGAGAAGAATGAGCCTTGAAGGAAG
 GGAAGAGTTGCCACCTTCAGTTTTGGATGAGATGAGCCTCAAAATGGCGAACTGTGTGACTCGCCAAGA
 GAACAAGACAGTGAGTCACGGACTTCAGACAAAGTTACCAAATGAAGAACAACCTCGGGGATACTGTC
 TGATCATCAACAATCATGATTTTCAAGCAAGGCCGGGAAGACATAACCCAACTCCGAAAAATGAAGGACAG
 AAAAGGAACAGACTGTGATAAAGAGGCTCTGAGTAAGACCTTTAAGGAGCTTCATTTTGAGATAGTATCT
 TACGACGACTGCACTGCAAAATGAAATCCACGAGATTCTAGAAGGCTACCAAAGCGCAGACCACAAGAACA
 AAGACTGCTTCATCTGCTGTATCCTATCCCACGGTGACAAGGGTGTGCTCTATGGAACGGATGGGAAGGA
 GGCCTCCATCTATGACCTGACATCTTACTTCACTGGTTCAAAGTGCCTTCCCTGTCTGGGAAACCCAAG
 ATCTTTTTTTCATTACAGCTTGCCAAGGAAGTAACCTCCAGAAAGGAGTGCCTGATGAGGCAGGCTTCGAGC
 AACAGAACCACACTTTAGAAGTGGATTTCATCTCACAGAAGTATATTCGGATGAGGCAGACTTTCT
 GCTGGGAATGGCTACGGTGAAGAAGTGGCTTCTTCCAGAGATCCTGTGAATGGAACCTGGTATATTTCAG
 TCACTTTGCCAGAGCCTGAGGGAAGATGTCTCAAGGAGATGACATTCTTAGCATCCTGACTGGCGTGA
 ACTATGACGTGAGCAATAAAGACGACAGGGAACAAGGGAAGCAGATGCCACAGCCCACCTTCACACT
 ACGGAAGAAGCTTCTTCCCTCCCTAATGATGTGTGCTCTCCACAGTTCACATGGCTTATCTGTGCACT
 TTTGTGTGGATGAGTCTAATTTATTTTTAGAATTTCTTTTGTCTTTTGAATTTACATTTACATAATTTTC
 CCTTTTCTCCCTTTAAACCCTTCTTTGTTATGTTCCAATTTCAAATACATGGCCTCTTTTCTCATTAAAC
 TGTTGTACACACATACATACACACACACACACACACATTTCTAAATATAACCTGTATACTAT CAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009812

Insert Size: 1443 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<u>BC006737</u> , <u>AAH06737</u>
RefSeq Size:	2046 bp
RefSeq ORF:	1443 bp
Locus ID:	12370
UniProt ID:	<u>O89110</u>
Cytogenetics:	1 29.19 cM
Gene Summary:	<p>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, an initiator of apoptotic cell death, is activated by death-inducing tumor necrosis family receptors and targets downstream effectors. In mouse deficiency of this gene can cause embryonic lethality. This protein may have a role in embryogenesis. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Apr 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode isoform (1).</p>