

## Product datasheet for **MC205003**

### Casp4 (NM\_007609) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Casp4 (NM\_007609) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Casp4  
**Synonyms:** Cas; CASP-4; CASP-11; Casp11; Caspa; Caspl; ich-; ich-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC061255  
 ACTCTGTCAAGCTGTCTTCACGGTGCGAAAGAAGTGGGCTTTTTCTCATGGCTGAAAACAAACACCCCTG  
 ACAAACCACTTAAGGTGTTGGAACAGCTGGGCAAAGAAGTCCTTACGGAGTACCTAGAAAAATTAGTACA  
 AAGCAATGTACTGAAATTAAGGAGGAAGATAAACAAAAATTTAACAATGCTGAACGCAGTGACAAGCGT  
 TGGGTTTTGTAGATGCCATGAAAAAGAAACACAGCAAAGTAGGTGAAATGCTTCTCCAGACATTCTTCA  
 GTGTGGACCCAGGCAGCCACCATGGTGAAGCTAATCTGGAAATGGAGGAACCAGAAGAATCATTGAACAC  
 TCTCAAGCTTTGTTCCCCTGAAGAGTTCACAAGGCTTTGCAGAGAAAAGACACAAGAAATTTACCCAATA  
 AAGAAGGCCAATGGCCGTACACGAAAGGCTTTATCATATGCAATACAGAGTTCAAACATCTCTCACTGA  
 GGTATGGGGCTAACTTTGACATCATTGGTATGAAAGGCCCTTCTTGAAGACTTAGGCTACGATGTGGTGGT  
 GAAAGAGGAGCTTACAGCAGAGGGCATGGAGTCAGAGATGAAAGACTTTGCTGCACTCTCAGAACCACG  
 ACATCAGACAGCACATTCTGGTCTAATGTCTCATGGCACACTGCATGGCATTGTGGAACAATGCACA  
 GTGAAAAAATCCAGATGTGCTACAGTATGATACCATCTATCAGATATTCAACAATTGCCACTGTCCAGG  
 TCTACGAGACAAACCCAAAGTCATCATTGTGCAGGCCTGCAGAGGTGGGAACTCTGGAGAAATGTGGATC  
 AGAGAGTCTTCAAACCCAGTTGTGCAGAGGTGTAGATCTACCTAGGAATATGGAAGCTGATGCTGTCA  
 AGCTGAGCCACGTGGAGAAGGACTTCATTGCCCTTACTCTACAACCCACATCACTTGTCTACCAGAGA  
 CAAAACAGGAGGCTTTACTTCACTAGACTCATTCTGCTCCGGAAACATGCTTGTCTTGTGCAT  
 CTCTTTGATATATTCCTGAAGGTGCAACAATCATTGAAAAGGCAAGTATTCATCCCAGATGCCACCA  
 TTGATCGGGCAACCTTGACGAGATATTTCTACCTTTCTGGCAACTGAGAACAAGCAACAAGCAACT  
 GAATCTCATTCTCAGCTTGAAGAAGTATCTTGGCCAAGGATCATTCTATTCTGAAATTCAGAA  
 CTAGTGAATTAAGGAAAGAATACTTATGAATTAAGACCAGCCTAAGCAACACAGTGGGATTCTGTTCC  
 ATAGACAAGCAAACAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** SfiI-SfiI  
**ACCN:** NM\_007609  
**Insert Size:** 1122 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="#">BC061255</a> , <a href="#">AAH61255</a>
<b>RefSeq Size:</b>	1378 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	12363
<b>UniProt ID:</b>	<a href="#">P70343</a>
<b>Cytogenetics:</b>	9 2.46 cM
<b>Gene Summary:</b>	This gene encodes a member of the cysteine proteases that plays important roles in apoptosis, cell migration and the inflammatory response. The encoded protein mediates production of pro-inflammatory cytokines by macrophages upon bacterial infection. Mice lacking the encoded protein are resistant to endotoxic shock induced by lipopolysaccharide. A 5-bp deletion encompassing a splice acceptor junction resulting in alternate splicing and a shorter non-functional isoform in certain mouse strains has been described. Although its official nomenclature is "caspase 4, apoptosis-related cysteine peptidase", this gene and its encoded protein have historically been called caspase 11. This gene is present in a cluster of three caspase genes on chromosome 9. [provided by RefSeq, Apr 2015]