

## **Product datasheet for SC200806**

## OriGene Technologies, Inc.

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## Caspase 4 (CASP4) (NM\_033306) Human 3' UTR Clone

**Product data:** 

**Product Type:** 3' UTR Clones

Product Name: Caspase 4 (CASP4) (NM\_033306) Human 3' UTR Clone

**Vector:** pMirTarget (PS100062)

Symbol: CASP4

Synonyms: ICE(rel)II; ICEREL-II; ICH-2; Mih1; Mih1/TX; TX

**ACCN:** NM\_033306

**Insert Size:** 143 bp

The sequence shown below is from the reference sequence of NM\_033306. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

AGATATTTCTACCTCTTTCCTGGCAATTGAAAATGGAAGCCACAAGCAGCCCAGCCCTCCTTAATCAACTCCAAGGAGCACCTTCATTAGTACAGCTTGCATATTTAACATTTTGTATTTCAATAAAAGTGAAGACAA

**ACGAA** 

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the

reference sequence but may contain minor differences, e.g., single nucleotide

polymorphisms (SNPs).

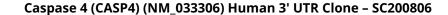
**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

**RefSeg:** NM 033306.3





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**Summary:** 

This gene encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

**Locus ID:** 837 **MW:** 5.8