

Product datasheet for **RR209196**

Casp4 (NM_053736) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Casp4 (NM_053736) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Casp4
Synonyms: Casp11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209196 representing NM_053736
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGAAAACAACCACCTGATAAACCACTTAAGGTGTTGGAAGAAGTGGCAAAGAGTTCCTTACAG
AGTACCTAGAAAAATTGGTACAAAGCAATGTATTGAAATTAAGGAAGAAGAGAAAACAAAATTTAACAA
TGCTGAACGCAGTGACAAGCGCTGGGTTTTGTAGATGTCCTGAAAAGGAAACACAACCAAGTGGGCAAA
ATGCTTCTCCAGACATTTCTTAATGTGGACTCAGGCAGCCACCATGGTGAAGCTAATTTGGAAATGGAGG
AACCGAAGAATCAGTGGACACTCTCAAGCTTTGTTCCCGAGGAGTTCACAAGGCTGTGCAGAGAAAA
GAAGCAAGAAATTTACCCAATAAAGGAGACCAATGGCCGTAAGGCTCTTATCATATGCAATACA
GAGTTCAAACATCTCTCCCTGAGATATGGGGCTAACATTGACATTAGTGGCATGAAAGGCCTTCTTGAAG
AGTTGGGCTATGATGTGGTGGTGAAGAGGAGCTTACGGCTGAGGGCATGGAATCAGAAATGAAAGACTT
TGCTGCACTCTCAGAGCACCAACATCAGACAGCACATTCCTGGTGTAAATGTCTCATGGCACATTGCAG
GGCCTTTGTGGAACAATGCACAGTGAAGCAACTCCAGATGTGCTATTATATGATACTATCTATCAGATAT
TTAACAATTGCTCACTGTCCAGGCTACGAGACAAACCCAAAGTCATCATTGTGCAGGCCTGCAGAGGTGG
AAACCCTGGGGAAGTGTGGATCAGAGAGTCTTACGGAGCCCACTCTACAGAGCTGTAGATCTACCTAGG
AATATGGAAGCTGATGCTGTCCGCATGAGCCATGTGGAGAAGGACTTCATTGCCCTCTACTCTACAACAC
CACACCACTTGTCTACAGAGACAAAACAAGAGGCTCTTACTTCTCCTCAAACCTCATTTCTGCTCCG
GATACATGCCTGCTCTTGTATCTATTTGATATATTTCTGAAGGTGCAACAATCATTTGAAAAGGCAAGT
ATTAATCCCAGATGCCACCATTGATCGGGCAACCTTGACAAGATATTTCTACCTCTTCTGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR209196 representing NM_053736
Red=Cloning site Green=Tags(s)

MAENNHPDKPLKVLLEELGKEFLTEYLEKLVQSNVLKLEEEKQKFNNAERSDKRWVFDVLRKRKHNVGK
 MLLQTFLNVDSGSHHGEANLEMEPEESVDTLKLCSEEFTRLCREKKQEIYPIKETNGRTRKALIIICNT
 EFKHLSLRYGANIDISGMKGLLEELGYDVVVKEELTAEGMESEMKDFAAALSEHQTSDFLVLMSHGTLQ
 GLCGTMHSEATPDVLLYDTIYQIFNCHCPGLRDKPKVIIVQACRGGNPGEVWIRESSGAHSYRAVDLPR
 NMEADAVRMSHVEKDFIALYSTTPHLSYRDKTRGSYFISKLISCFRIHACSCHLFDIFLKVQSFEEKAS
 INSQMPIDRATLTRYFYLFPGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

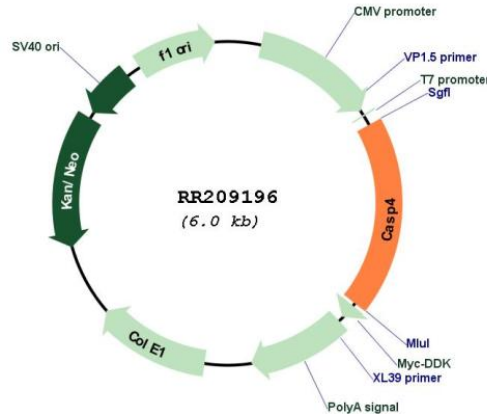
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053736

ORF Size:	1119 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_053736.2 , NP_446188.2
RefSeq Size:	1350 bp
RefSeq ORF:	1122 bp
Locus ID:	114555
Cytogenetics:	8q11
MW:	42.7 kDa
Gene Summary:	cysteine-aspartic acid protease (caspase); involved with the terminal stage of apoptosis; may also be involved with response to inflammation [RGD, Feb 2006]