

Product datasheet for **RR201884**

Casp12 (NM_130422) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp12 (NM_130422) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Casp12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201884 representing NM_130422 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCAAGAGAACACATGAAAGGGATCCAATCTACAAGATCAAAGGTTTGCCAAGGACATGCTGG
ATGGAGTTTTTGTGATGACCTGATGGACAAAAATGTTTTAAATGGCGATGAGTTACTCAAAATCGGAGAAGG
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AATGGAGGTAAATGTTGGAGTGGCCATGCATCACATCTAATGCTTACAGTTCCTCAGGGAATCCAGAGC
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GGATACTCAGTGGTGATAAAGGAAAACCTTACAGCTCAGGAAATGGAGACAGAATTAATGAAGTTTGCTG
GCCGTCAGAGCACCAGTCTCCGACAGCACATTCCTGGTCTTTATGTCCACGGCATCCTGGAAGGAAT
CTGTGGGGTGAAGCACAGAAACAAAAAGCCAGATGTTCTTCATGATGACACTATCTTACCATTTTCAAC
AATTCTAACTGTCCGAGTCTGAGAAACAAACCCAGATTCTCATCATGCAAGCCTGCAGAGGCAGACATA
CTGGTACTATTTGGGTATCCACAAGCAAAGGGATAGCCACTGCTGATACAGATGAGGAATGTGTGTTGAG
CCATAGATGGAATAATAGTATAACAAAGGCCATGTGGAGACAGATTTTATTGCTTTCAAATCTTCTACC
CCACATAACATTTCTTGGAGGTAGGCAAGAGTGGCTCTCTTCTTCAATTTCCAAATCATTGACTGCTTCA
AAAAGTATTGTTGGTGTATCATTTGGAAGAAATTTCCGAAAGGTTCAATACTCATTGAGGTCCCAGG
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TGAAGTACCCAGATGCCACCATTGAGAGAGTATCTATGACACGCTACTTCTACCTTTTCCCTGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR201884 representing NM_130422
 Red=Cloning site Green=Tags(s)

MAAKRTHERPDIYKIKGLAKDMLDGVFDDLMDKNVLNGDELLKIGEGASLILSKAENLVESFFEKTEMAG
 KIFAGHIANSDKQLSLQFSPDDEEDELQKMFTSSASESRGKVEDEEMVNVGVASHMLTVPQGIQS
 TEVQDSLKLCSDRWFCTMKTERAEEIYPVMEKEGRTRLALII CNKKFDYLFDRDDAETDILNMKELLQNL
 GYSVVIKENLTAQEMETELMKFAGRPEHQSSDSTFLVFM SHGILEGICGVKHRNKKPDVLHDDTIFTIFN
 NSNCPSLRNKPKILIMQACRGRHTGTIYWSTSKGIATADTDEECVLSHRWNNSITKAHVETDFIAFKSST
 PHNISWKVGKSGSLFISKLIDCFKKYCWCYHLEEIFRKVQYSFEVPGELTQMPTIERSMTRYFYLPFGN
 *TDPDAH*ESIYDTLLLPFPWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

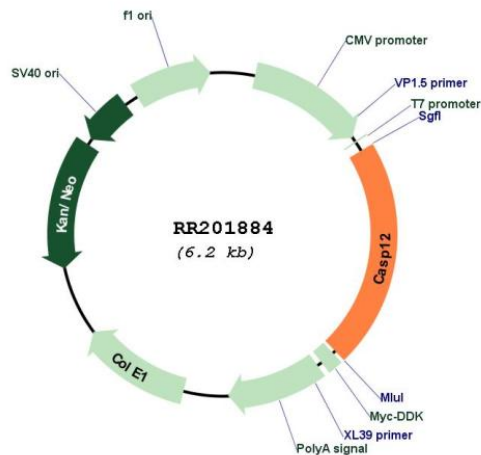
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_130422
ORF Size:	1260 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 Size:	1302 bp
RefSeq ORF:	1263 bp
Locus ID:	156117
UniProt ID:	Q920D5
Cytogenetics:	8q11
MW:	47.8 kDa
Gene Summary:	cysteine-aspartic acid protease (caspase); involved with the terminal stage of apoptosis [RGD, Feb 2006]