

Product datasheet for **RR200684**

Casp7 (NM_022260) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp7 (NM_022260) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Casp7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200684 representing NM_022260 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGACGATCAGGACTGTGCTGCAGAGCTGGAAATGGCAGATTCTTCGACGGAAGACGGAGTTGACG
CTAAGCCAGACCGCTCCACCATCATCTCATCCCTCTCTGGAAGAAGAAGAAAAATGCCTCTATGTGCC
CGTCAGTACCACCCGGGACCGCTGCCACTTACCTGTACCGTATGGACTTCGAGAAGATGGCAAATGT
ATCATATAAATAACAAGAACTTCGACAAAGCGACAGGTATGGATGTCCGGAATGGGACGGACAAAGACG
CAGAGGCCCTCTCAAGTGCTTCCGAAGCCTGGTTTTGAAGTGACCGTCTATAATGACTGCTCTTGCGC
AAAGATGCAGGATCTGCTTAGACGAGCCTCTGAAGAGGACCACAGCAACTCAGCCTGCTTCGCTGCGTC
CTGCTGAGCCACGGAGAAGAGAACTGATTTATGGGAAAGACGGCGTGACACCGATAAAGGATCTGACAG
CTCATTAGGGGAGACCGATGCAAAACCCTGCTAGAGAAACCAAGCTTCTTCATCCAGGCGTGCCG
AGGGACGGAGCTGGATGACGGGATCCAGGCTGACTCGGGGCTATCAACGACACCGACGCTAATCCCCGC
TACAAGATCCCGGTGGAAGCTGACTTTCTTTGCTTACTCCACGGTCCAGGCTATTATTCGTGGAGGA
ACCCAGGAAAGGGCTCCTGGTTTGTGCAGGCCCTGCTCCATCCTGAATGAGCATGGCAAGGACCTGGA
GATCATGCAGATCCTGACCAGGTGAACGACAGGGTGGCCAGACACTTCGAGTCCAGTCTGATGACCCC
CGCTTCAATGAGAAGAAGCAGATTCCATGTATGGTGTCCATGCTACCAAGAGCTCTACTTTGGCCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200684 representing NM_022260
Red=Cloning site Green=Tags(s)

MTDDQDCAAEELEMSSTEDGVDAKPDRSTIISSLLWKKKKNASMCPVSTTRDRVPTYLVRMDFEKMGC
 I IINNKNFDKATGMDVRNGTDKDAEALFKCFRSLGFEVTVYNDSCAKMQDLLRRASEEDHSNSACFACV
 LLSHGEENLIYGKDGVTPIKDLTAHFRGDRCKTLLLEKPKLFFIQACRGTELDGDIQADSGPINDTDANPR
 YKIPVEADFLFAYSTVPGYYSWRNPGKGSWFVQALCSILNEHGKLEIMQILTRVNDRVARHFESQSDDP
 RFNEKKQIPCMVSMMLTKELYFGR

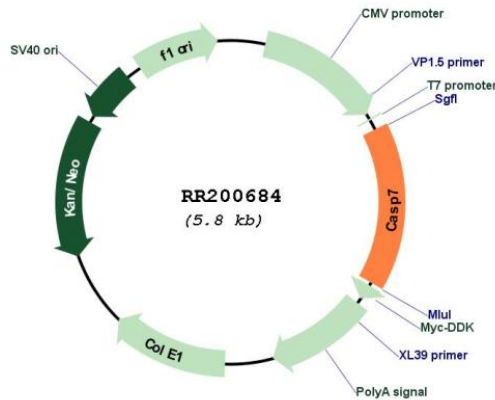
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022260

ORF Size:	909 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_022260.3 , NP_071596.1
RefSeq Size:	2269 bp
RefSeq ORF:	912 bp
Locus ID:	64026
Cytogenetics:	1q55
MW:	34.3 kDa
Gene Summary:	member of the cysteine-aspartic acid protease (caspase) family that mediates terminal phase of apoptosis [RGD, Feb 2006]