

Product datasheet for RN210506

Casp1 (NM_012762) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casp1 (NM_012762) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Casp1
Synonyms:	Ice; Il1bc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210506 representing NM_012762 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGACAAGGTCCTGAGGGCAAAGAGGAAGCAATTTCAACTCAGTGAGTGTAGGGACAATAAATG
GATTGCTGGATGAACTTTATAGAGAAGAGAGTCTGAACCGAGGAGATGGATACAATCAAACCTTGCAA
TATCACTGTTATGGAAAAGGCACGAGACCTGTGCGATCATGTCACTAAAAAGGACCCCGGGCAAGCCAG
ATGTTTATCACTTACATTTGTAATGAAGACTGCTACCTGGCAGAAATCTGGAGCTTCAGTCAGGTCAT
CAGCTGAAACTGTTTTGTTACAGAAGATTCTAAGGGAGGACATCCTTTCTCTCAGAAAACAAAAGAAA
ACTGAACAAAGAAGGTGGCGCATTTCTGGACCGAGTGGTTCCTCAAGTTTTGCCCTTTAGAAATAGCC
CAGAAGTTATGGAAAGAAAATCATTAGAGATTTATCCAATAATGAAAACACCCACTCGTACACGCTTG
CCCTCATTATCTGCAGCACAGACTTTCAACATCTTTCTCGGAGAGTCGGAGCTGATGTTGACCTCAGAGA
AATGAAGTTGCTGCTGCAGGATCTGGGGTATACTGTGAAAGTCAAAGAAAATCTCACAGCTCTGGAGATG
ACAAAAGAATTGAAAGAATTTGCTGCCTGCCAGAGCACAAAGACTCTGACAGTACCTTCCTTGATTCA
TGCTCATGGTCTCCAGGAGGGAATATGTGGGATCACATACTCTAATGAAGTTGCAGATTTTTAAAGGT
TGACACAATCTTTCAAATGATGAACACATTGAAGTGCCCAAGCTTGAAAGACAAGCCCAAGGTTATCATT
ATTCAGGCATGCCGTGGAGAGAAACAAGGAGTGGTGTGTTAAAAGATTAGTAGGAAAACCCGAAGAGG
GATTCTTAACAGATGCAATTTTTGAAGATGATGGCATTAAAGAGGCCATATAGAGAAAAGATTTTATTGC
TTTCTGCTCTTCAACACCAGATAATGTGCTGGAGACATCCTGTCCGGGATCCCTCTTCATTGAGTCA
CTCATCAAACACATGAAAGAATATGCCTGGTCTTGTGACTTGGAGGACATTTTCAGAAAGGTTTCGATTTT
CTTTGCAACAACCAGACTCTAGACTACAGATGCCAACCACTGAAAGGGTGACCCTGACAAAACGTTTCTA
CCTCTTCCAGGACATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012762
Insert Size:	1209 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_012762.2 , NP_036894.2
RefSeq Size:	1325 bp
RefSeq ORF:	1209 bp
Locus ID:	25166
Cytogenetics:	8q11
Gene Summary:	apoptotic protease that may play a role in inflammation and apoptosis in male sex organs [RGD, Feb 2006]