

Product datasheet for RN207690

Casq2 (NM_017131) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casq2 (NM_017131) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Casq2
Synonyms:	cardCSQ
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207690 representing NM_017131 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGAGGATTTACCTGCTCGTGGTGGGGCTTTATCTGCTGTCCTTTAGCAGGGCAGAAGAGGGGCTGA
ACTTCCCCACGTACGATGGGAAGGACCGAGTGGTCAGCCTTTCTGAGAAGAACTGAAGCAAGTGTGAA
GAGATACGATTTGCTCTGTCTCTACTACCACGAGCCTGTGTCTTCAGACAAGGTCGCACAGAAGCAGTTC
CAACTGAAGGAGATCGTACTGGAGCTTGTGGCCAGGTTCTGGAACATAAAAACATAGGCTTTGTGATGG
TGGATTCAAGGAAAGAGGCCAAGCTTGCCAAGAGGCTGGGCTTCAGTGAAGAAGGAAGCCTGTATGTTCT
GAAGGGTGGTCGCACCATTGAGTTTGACGGGGAATTTGCAGCAGATGTCTTGGTGAATTTCTTTGGAC
CTCATTGAGGACCCAGTAGAGATCGTGAACAACAAGTTGGAAGTCCAAGCCTTTGAGCGCATCGAGGACC
AGATCAAGCTGCTTGGCTTTTTCAAGAATGAGGACTCAGAATATTACAAAGCGTTCCAAGAGGCAGCTGA
ACACTCCAGCCTTACATCAAGTTCTTTGCCACCTTTGACAAGGGGGTGGCAAAGAAGTTGTCCTTGAAG
ATGAATGAAGTTGGCTTCTATGAGCCATTTATGGATGAACCCAGTGTTCATCCCTAACAAAGCCCTACACAG
AAGAGGAGCTTGTGGAGTTTGTGAAGGAGCATCAAAGACCCACCCTACGTCGCTTGGCCAGAGGACAT
GTTTGAAACATGGGAAGACGACTTGAATGGAATCCACATTGTGGCATTGCGGAGAAGAGTGACCCAGAT
GGCTATGAGTTTCTGGAGATCCTAAAACAGGTTGCCCGGACAACACTGACAACCTGACTTGAGCATCT
TGTGGATTGACCCAGACGACTTTCCTCTGCTTGTGCTTACTGGGAGAAGACTTTCAAGATTGACCTGTT
CAAGCCACAGATTGGGGTGGTGAATGTAACCGATGCTGACAGTGTCTGGATGGAGATCCCAGATGATGAC
GACCTGCCACAGCTGAGGAGCTGGAAGACTGGATTGAGGATGTGCTTTCTGAAAGATCAATACTGAAG
ACGATGACAATGAAGATGAAGATGATGATGGCGATAATGACAATGACGATGACGATGACGACGATGATAA
TTCTGATGAGGATAATGATGACAGTGTGATGACGATGATGACGATGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017131
Insert Size:	1242 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_017131.2 , NP_058827.3
RefSeq Size:	2478 bp
RefSeq ORF:	1242 bp
Locus ID:	29209
UniProt ID:	P51868
Cytogenetics:	2q34
Gene Summary:	binds activated epsilon protein kinase C holoenzyme; human homolog serves as a calcium resevoir in cardiac myocytes [RGD, Feb 2006]