

Product datasheet for MR229676

Crtam (NM_001281954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crtam (NM_001281954) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crtam
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229676 representing NM_001281954 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTGGTGGGGAGCCCTCAGTTTGCTGTTCTGGGTGCCGGTGCAAGCAGCCTTTCTGAAATGGAGACCG
TCACGGTAGAGGAAGGCCAAACGCTCACTCTAACGTGTGTTACTTCTCAGACAAAAACGCTCTCTCCA
GTGGCTGGCTCCCTCTGGGTTCCACATTTTTTAAACCAGCATCTGCTTTAAAAAGCTCCAAATACCAG
CTTCTTACCATTACGCTACACAACCTCCATTAGTGTGTCGAATGTAACCTCCGAGAGGAAGGTGTGT
ATACATGCTTGCCTACGGGAGTTCTGTGAAGACGAAGCAAGTGAGAGTGACCGTGTAGTGACTCCTTT
CCAGCCAACCGTGAAGCTTTGGTTCTCAGAAGGCAGAATGGAGAGAAATCGGTTGTGCTGAAATGTTCC
ACAGAGAGAAGCAAGCCCCGCCACAAATCACCTGGCTGCTGGGGGAAGGTCTGGAGATCTATGGTGAAC
TCAACCATGAATTTGAAGCTGATGGGAAAATATGTAACACCAGCAGCATGCTCATCGCCCGGCATACGG
CAAAAACCTCAACCGTGCCTGCATTATCCAGCAGGAGGCTTGCACGGGAGAAAGCTGGTTGCCCCCTTC
CAGTTTGAAGATTTGGTTGCAGATCAAGAACTTCAGATCAAGAACTTCAGATGCCCTGAGCAGAGCT
CTCTCTCCTCCCAAGCCCTCCAGCAGCCACAAGTACAGTCTCAATGATGGAAAATTCAGTATACCAGA
GACTGACAAGGAAGAGAAAGAACATGCCACTCAAGACCCTGGCTTGTCCACTGAAGCCAGTCTCAGCAT
ACAGGACTGGCCCGGAGGAAGAGTGGTATCCTGCTGCTCACACTGGTGTCTTCTCATTTCATCCTTT
TCATCATCGTTGAGCTTTCATCATGAAGCTGCGTAAAGCACACGTGGTATGGAAGAAGGAAAGTGAAT
TTCAGAGCAAGCTCTAGAAAGTTACAGATCAAGATCCAACAACGAGGAGACATCTCCAGGAGAATAGC
AGCCAGGCTCCCCAGTCTAAGCGTTGCATGAACTACATCACGCGGTTATACTCGGGAGCCAAAACAAGA
AGAGTGCCAGCACTGGAAGCTCGGAGGCAAGCACAGCCGTGTCCCGGAGAGTATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MWWGALSLLFWVPVQAAFLKMETVTVEEGQTLTLCVTSQTKNVSLQWLAPSGFTIFLNQHPALKSSKYQ
 LLHHSATQLSISVSNVTLREEGVYTCLHYGSSVKTQVRVTVLVTPFQPTVEALVLRQNGEKSVVLKCS
 TERSKPPPQITWLLGEGLEIYGELNHEFEADGKICNTSSMLIARAYGKNSTVHCIIQHEGLHGRKLVAPF
 QFEDLVADQETSQETSDAPEQSSLSSQALQQPTSTVSMSENSIPETDKEEKEHATQDPLSTEASAQH
 TGLARRKSGILLTLLVSFLIFILFIIIVQLFIMKLRKAHVVWKKKESEISEQALESYRSRSNNEETSSQENS
 SQAPQSKRCMNYITRLYSGAKTKKSAQHWKLGKHSRVPESIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

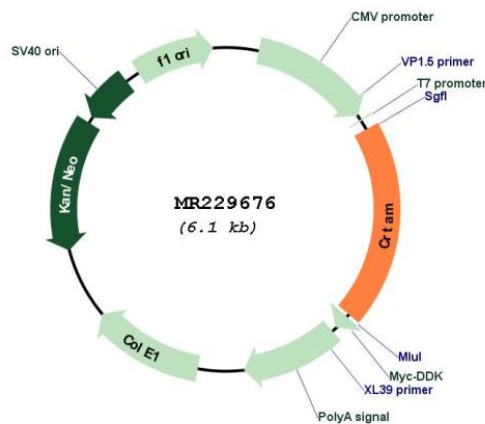
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281954

ORF Size:	1179 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_001281954.1 , NP_001268883.1
RefSeq Size:	1939 bp
RefSeq ORF:	1182 bp
Locus ID:	54698
UniProt ID:	Q149L7
Cytogenetics:	9 21.79 cM
MW:	44.4 kDa
Gene Summary:	Interaction with CADM1 promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated rejection of tumors expressing CADM3 in vivo.[UniProtKB/Swiss-Prot Function]