

Product datasheet for RR212225

Cd99I2 (NM_134459) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd99I2 (NM_134459) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd99I2
Synonyms:	Mic2l1; vms-tm2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212225 representing NM_134459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGCTAGGCTCACCCTCTCCTCGTTTGCCTCGTTTTCTCCTTGGCTACCTGGTCCAGAGAGGAT
ATGGAGACTTCGATGATTTCACTGGAGGATGCGCTGAAAGAACTTCCTCAGTAAAGCAGAGCCACTT
TAGTACGACGACTAGGAGGACAGGAACGACCAGAGCCCCAGCGAATCCAGCAGAGAGATGGGACCACATG
ACCACTACTACAACGAAAAGGCCAGGAACAAGTACGAGCACCCTCAATCCTCTGGAACCTGATGGGTTTG
ACTTGAAGACGCCTTGATGATCGGAATGATCTAGATGGCCCCAAAAGCCAAGTACAGGAGAAGGAGG
AGGTTTGTGACACAAGGATCTCGAAGACATCTGGGAGGCGGAGGATACAAAACCTGACAAGAATAAAGGT
GGCGGTGGTGGTTATGGCAGCCAGGATGACCCTGGATCAGGAGCAGTGACGGACCCCGGCACCATTCGCG
GCCTGGTCAGCGCCCTGGCCGCGGCCCTCCTCGGAGCGGTGTCCGGCTACCTCTCCTACCAGCATCGAA
GTTCTGTTTCAGTGTCCAGCGCGGCCCTCGACGCAGCCTACGTGAAGGGGAAACCTTGAAGCTGTTGTGT
GTCGAAGAGCCCCGGGTGAAGCCGCGATGTGCGAGGCGCCCCAGTTACGGACTCCACACAACACTCGCA
GCCCCAGAGCCCCGGTGGCACCAGAGCGGCCCGGATCTGAGGCCCGGGATCTTAGGCCTCGCTCAATGAT
CAGCGCTTTCACCTGATGTCCTCCGTTTCATCCTTTCCCGGGTTCCTTCCCCATCCCCAGCTTCTCCC
CACACCTGGTTTTCCGCACCAGCCTTGGGGGTGTGTGAGTTGCGGTTTTCTGCGCCCTTCCGTGCGGACCG
CGCTGACCACTGTGCGGCGCGGCCCTCCGGAGAGACTCGGAGCCGAGCCCTGCGATCCCCGTTAGCCGAG
TGCGGTGCGCACATTTGTGGTTTTTGGCTGACCACTAAGCGCTGTGAGGAGTGCGCCAGCTGGCACTT
GGTGCATTGGAACACACTTGAGACAAATCAGACAGCTGCAACGCACACGCGCACACACACACACACA
TG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212225 representing NM_134459
Red=Cloning site Green=Tags(s)

MVARLTLLVCLVFLATLVQRGYGDFDDFNLEDALKETSSVKQSHFSTTTRRTGTTRAPANPAERWDHM
 TTTTTKRPGTTRAPSNPLELDGFDLEDALDDRNDLDGPKKPSTGEGGGLSDKDLEDILGGGGYKPKDNKG
 GGGYGSQDDPGSGAVTDPGTIAGLVSALAAALLGAVSGYLSYQHRKFCFSVQRGLDAAAYKGETLKLLC
 VEEPRVEAAMCEAPQLRTPHNTRSPQSPWHQSGPGSEARDLRPRSMVSALHPDVLRSSFPSPSPASP
 HTWF SAPALGVCELRFRLRPSVRTALTTVRRGLRRDSEPSAIPVQPSAVRTFVVFALTTKRCECAQLAL
 GAFGTHLRQIRQLQRTRAHTHTHM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

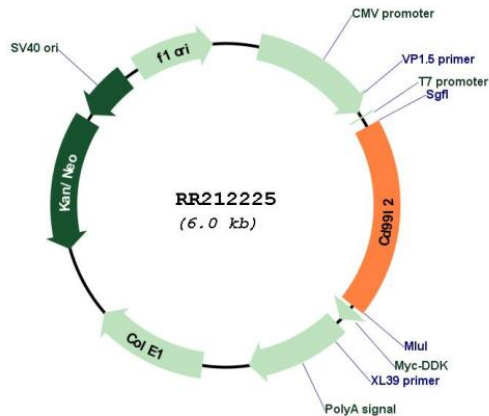
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_134459

ORF Size:	1122 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_134459.1 , NP_604454.1
RefSeq Size:	4174 bp
RefSeq ORF:	1125 bp
Locus ID:	171485
UniProt ID:	Q8R1R5
Cytogenetics:	15p16
MW:	40.4 kDa
Gene Summary:	enriched in respiration-related neurons; may play a role in detection of chemicals in cerebrospinal fluid [RGD, Feb 2006]