

Product datasheet for **RR203512**

Cd244 (NM_022259) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd244 (NM_022259) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd244
Synonyms: 2B4; Nmrk
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203512 representing NM_022259
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGCAGCAAAGTGTCTGTTGTCACCTTCTCTGCTCCTCAGAGCTCATCAGGGCCAAGATTGTGCAG
ATTCTTCTGAAGAAGTGCTTGGTGTCTCAGGAAAGCCTGTCCGGCTGCGGCTTCCAACATACAAGCAA
ACATGTTTCTATTGAATGGAAGAAGAAGACAGGACATCAACAGACTCCCCAGATCGTGACTTGGGATACT
ACGGATAACAAAACTTTAATATGTGTTGTAGTGATATCTATGGTTTTGAGTCTGAGAATTTTGCTCTTA
GTATCAAGTCAGCTAAGCTAAATGACAGTGGTCACTACCTGCTGGAGATCACCAACCAAAGGAATAGT
GTGCACTAAAACTTCCAGATGCTTATATTTGATCCTGTTGAGACACCTCACCTGACTGTCCAGGGGACG
CTCTGGGCTAACGGGACTTGCAACTGTCTTTGCTGCTTTGTGCCAAGGATGACAAATGTAAGCTATG
CTTTGTACAGAGGGAGCATGCTGATCTCGAATCAAAGGTATGGCACCCACTGGGAGAACCGGACTGATGC
CAGCAGCTGCACACATATACCTGCAATGTTAGCAACAAGGCCAGCTGGGCAAACACACCTGACCTCC
CCGCAGAGCTGCAGAGTGTCCCTCGAAATCAATTATCTGCCCTTTATGGTATCCATCGGTATCCTCG
TCAAATTTTTTCATGGGCCATCGATTGCTTCTGTGTGGAATAGGAAGAGAAAGCAGTCACAGTCCAT
CGCTAAGGAATCTTTGACCATACATGAATACGTCAAGAACGCACAAGTCAGCAGGGACCAACGAGGACAT
TTTAGGGCTCTGGATCTTCTCAGATGTTCCGGGAGATGAGAGGGGACAAAGAGAATCGGACAGACGTC
TTTTCCAGTTCATCAACAGGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203512 representing NM_022259
Red=Cloning site Green=Tags(s)

MLQQTVLLSLFLLLRAHQGQDCADSSEEVLGVSGKPVRLRPSNIQAKHVSIEWKKKTGHQQTPTQIVTWDT
 TDNKNFMCCSDIYGFENSENFALSIKSAKLNDSGHYLLEITNQRGIVCTKNFQMLIFDPVETPHLTVQGT
 LWANGTCQLSLSCFVPKDDNVSYALYRGSMLISNQRYGTHWENRTDASSLHTYTCNVSNKASWANHTLTS
 PQSCQSVPSKFNLYLPMVSIIGILVKFFHGAIDCFVWNRKRKQSQSIKESLTIHEYVKNAQVSRDQRGH
 FRASGSSDVRGDERGQRESDRRLFQFINRS

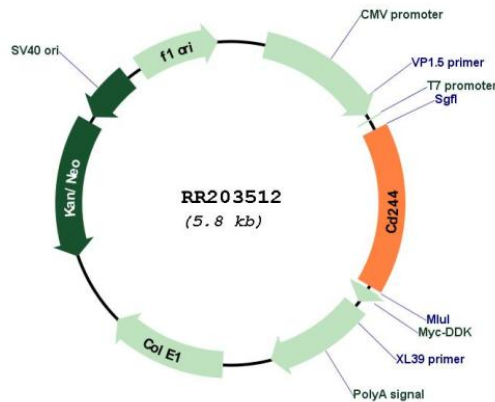
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022259

ORF Size: 933 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_022259.1 , NP_071595.1
RefSeq Size:	1352 bp
RefSeq ORF:	936 bp
Locus ID:	64025
UniProt ID:	Q9JLM2
Cytogenetics:	13q24
MW:	35.3 kDa
Gene Summary:	cell surface glycoprotein involved in the regulation of natural killer and T lymphocyte function [RGD, Feb 2006]