

Product datasheet for RR212012

Cd86 (NM_020081) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd86 (NM_020081) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd86
Synonyms:	B7-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212012 representing NM_020081 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTATGTCGTC AAGACATGTGTAACCTGCACCATGTACTTGGGAATCCTTTTCTCGGTGTTGGCCTATC
TGCTCTCAGATGCTGTTCTGTGAAGAGGCAAGCTTACTTCAATAGCACTGCATACCTGCCGTGCCCGTT
CACAAAGGCTCAAACATAAGCCCGAGTGAGCTCGTAGTATTTTGGCAGGACCGGAAAAAGTCGGTCTG
TACGAACACTATTTGGGCGCAGAGAAACTTGATAACGTGAATGCCAAGTACCTGGGCCGCACAAGCTTTG
ATAGGGATAACCAGGCTCTACGACTTCACAATGTTTCAGATCAAGGACACGGGCTTGATGATTGTTTTAT
ACAGCAAAGACACCCACGGGATCAATTATCCTCCAGCAGTGGGAAACAGAGCTCTCAGTGATCGCCAAC
TTCAGTGAACCTGAAATAGAGGAGGCTCAGAATGAAACAAGAACTGGCATAAATTTGACCTGCTCAT
CTAAGCAAGGATACCCGAAACCTACAAAGATGTATTTTGTAACTAATCAACTAATGAGTATGGCGA
CAACATGCAGATATCACAAGACAATGTCACAAAGCTGTTTCAGTGTCTCCATCAGCCTATCTTCCATTC
CCGGATGGGGTGTACAATATGACCATTGTGTATTCTGGAAACGGAGTCAATGAATATTTCTCCAAAC
CTCACAATATGGTTTTTTCGCAGCCCAGTTTGATCGAAAGACTTGGATCCAGATTGCAGGTCCCAGTTC
ACTTCTGTGCTGCTCTTTCTGCTGGTCGCTACAAAGCAGTCAAAAAGTGTGTTGAAGATGCAGAACCCAG
CCCGGCAGACCCAGCAGAAAGACTTGTGAGTCCAAGCAGGACAGTGGTGTGACGAGTGCATCAACCTGG
AGGAAGTTGAACCCAATTGCATCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212012 representing NM_020081
Red=Cloning site Green=Tags(s)

MYVVKTCVTCTMYLGILFSVLAYLLSDAVPVKRQAYFNSTAYLPCPFTKAQNI SPSELVVFVWQDRKKSVL
 YEHYLGAEKLDNVNAKYLGRTSFDRDNQALRLHNVQIKDTGLYDCFIQQKTPTGSIIQQWETELSVIAN
 FSEPEIEEAQNETRNTGINLTCSSKQGYPKPTKMYFLITNSTNEYGDNMQISQDNVTKLFSVSI SLSPF
 PDGVYNTIVCILETESMNISSKPHNMVFSQPQFDRKTWIIQIAGPSSLLCCLFLLVYKAVKKCLKMQNQ
 PGRPSRKTCE SKQDSGVDESINLEEV EQLHQQ

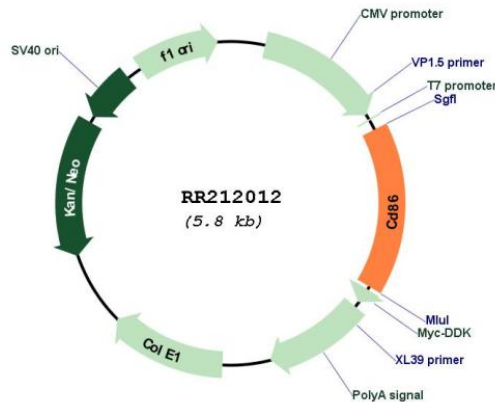
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020081

ORF Size: 939 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_020081.1 , NP_064466.1
RefSeq Size:	942 bp
RefSeq ORF:	942 bp
Locus ID:	56822
Cytogenetics:	11q22
MW:	35.6 kDa
Gene Summary:	plays a role in T-cell activation and proliferation [RGD, Feb 2006]