

Product datasheet for **RR207974**

Apoa4 (NM_012737) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoa4 (NM_012737) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apoa4
Synonyms:	Apo-AIV; ApoA-IV; apoAIV
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207974 representing NM_012737 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCTGAAGGCTGTGGTGTGACCGTGGCCCTGGTGGCCATCACCGGACCCAGGCTGAGGTCCTT
CCGACCAGGTGGCCAATGTGATGTGGACTACTCACCCAGCTAAGCAACAATGCCAAGGAGGCTGTGGA
ACAACGCAGAAGACAGATGTCCTCAACAGCTCAATACCCTCTCCAGGACAACTTGGGAACATTAAC
ACCTATGCCGATGACCTGCAGAACAAGCTGGTGCCTTCGCCGTTCAACTGAGTGGACATCTAACCAAGG
AAACAGAGAGGGTGAGGGAAGAGATCCAGAAGGAGCTCGAGGACCTACGGGCAACATGATGCCCATGC
CAACAAAGTGAGCCAGATGTTCCGGGACAACGTGCAGAAGTTGCAGGAACACCTGAGGCCCTATGCCACG
GACCTGCAAGCTCAGATCAACGCACAGACCCAGGATATGAAACGCCAGCTGACCCCTACATCCAGCGCA
TGCAGACCACAATAACAAGACAATGTGGAACCTGCAGTCCTCCATGGTGCCTTTGCCAACGAGCTAAA
GGAAAAGTTTAACCAGAATATGGAAGGGCTCAAGGGGCAACTAACCCCGTGCCAACGAGCTGAAGGCC
ACGATCGACCAGAACCTGGAAGACCTGCGCAGCAGACTGGCCCTCTCGCGGAGGGTGTGCAGGAAAAAC
TCAACCATCAGATGGAAGGCTTGGCCTCCAGATGAAGAAGAAGCTGAGGAGCTCCATACCAAAGTCTC
CACAAATATCGACCAGCTGCAGAAGAATCTGGCCCGCTGGTGAAGATGTGCAAAGCAAGCTGAAAGGC
AACACGGAAGGACTGCAGAAGTCTCTGGAAGACCTGAACAAGCAGCTGGACCAGCAGGTGGAGGTGTTCC
GGCGTGTGTGGAGCCCCTGGGGATAAGTTCAACATGGCTCTGGTGCAGCAGATGGAGAAGTTCAGGCA
GCAGCTGGGCTCCGATTCGGGGACGTGGAAGCCACTTGAGCTTCTGGAGAAGAAGCTGAGGGAAAAAG
GTCAGCTCCTTTATGAGCACCTGCAAAAAAGGGGAGCCAGACCAGCCCTAGCCCTCCCCTCCCGG
AGCAGGTTAGGAACAGGTCCAGGAGCAGGTGCAGCCAAACCTCTGGAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207974 representing NM_012737
 Red=Cloning site Green=Tags(s)

MFLKAVLTVALLVAITGTQAEVTSQVANVMWDYFTQLSNNAKEAVEQLQKTDVTTQQLNTLFQDKLGNIN
 TYADDLQNKLVFPAVQLSGHLTKETERVREEIQKELEDLRANMMPHANKVSQMFQDNVQKLQEHLRPYAT
 DLQAQINAQTQDMKRQLTPYIQRMQTTIQDNVENLQSSMVPFANELKEKFNQNMEGLKGGQLTPRANELKA
 TIDQNLLEDLRSRLAPLAEGVQEKLNHQMEGLAFQMKKNAEELHTKVSTNIDQLQKNLAPLVEDVQSKLKG
 NTEGLQKSLLEDLNKQLDQQVEVFRRAVEPLGDKFNMALVQQMEKFRQQLGSDSGDVE SHLSFLEKNLREK
 VSSFMSTLQKKGSPDQPLALPLPEQVQEQQVEQVQPKPLES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

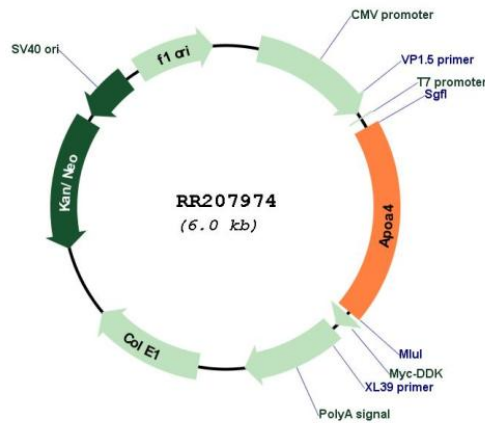
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012737

ORF Size:	1173 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_012737.1 , NP_036869.1
RefSeq Size:	1423 bp
RefSeq ORF:	1176 bp
Locus ID:	25080
UniProt ID:	P02651
Cytogenetics:	8q22
MW:	44.5 kDa
Gene Summary:	may play a role in lipid transport [RGD, Feb 2006]