

Product datasheet for RR201366

Apoa5 (NM_080576) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoa5 (NM_080576) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apoa5
Synonyms:	apo-AV; apoA-V
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201366 representing NM_080576 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCGTACATCACCTGGGCACTCGCCCTCCTCTCAGTGTTGCAACTGTACAGGCGAGGAAGAGCT
TCTGGGAGTACTTCGGCCAGAACAGCCAGGGCAAAGGCATGATGGGCCAGCAGCAGAAGCTGGCACAGGA
GAGCCTGAAAGGTAGCTTGGAGCAAGACCTCTACAATATGAACAATTTCTAGAAAAGCTGGGACCCTTG
AGAGAGCCTGGGAAGGAGCCTCCTCGGCTGGCACAGGATCCAGAAGGCATTTCGGAAGCAGTTGCAGCAAG
AGCTGGAGGAAGTGAGCACACGCCTGGAGCCCTACATGGCTGCAAAGCACCAGCAGGTTCGCTGGAACCT
GGAGGGCTTGAGGCAGCAGTTGAAACCCTACACGGTCGAGCTGATGGAGCAGGTAGGCCTGAGCGTGCAG
GATCTGCAAGAACAGCTGCGCATGGTGGGAAAAGGCACCAAGGCCAGCTCCTGGGGGCGTGGATGAGG
CGATGAGCCTGCTGCAGGATATGCAAAGTCGAGTGCTGCACCATACGGACCGAGTCAAAGAACTCTTCCA
CCCTTATGCAGAACGCTTGGTACTGGAATTGGGCACCATGTGCAGGAGCTGCACCGGAGTGTGCTCCT
CACGCAGTTGCCAGCCCCGCGAGACTCAGTCGCTGCGTGCAGACCCTGTCCACAAACTCACACGTAAGG
CGAAGGACTTGCACACCAGCATCCAACGCAACCTAGATCAGTCGCGAGATGAGCTCAGTACCTTCATCCG
TGTGAGCACAGACGGGGCAGACAACAGAGACTCCCTGGACCCTCAAGCTCTCTGACGAGTCCGCCAG
AGACTCCAGGCTTTTCGACATGACACCTACCTGCAGATCGCTGCATTCACTCAGGCCATTGACCAGGAGA
CCGAGGAAATCCAGCACCAGCTGGCACCACCCCGCCTAGCCACAGCGCCTTCGCTCCAGAGTTGGGACA
CTCAGACAGTAATAAGGCCCTGAGCAGACTGCAGAGCCGGCTGGACGACCTCTGGGAAGATATTGCCTAT
GGCCTTCATGACCAGGGCCATAGTCAGAATAACCCTGAGGGTCACTCAGGT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201366 representing NM_080576
Red=Cloning site Green=Tags(s)

MAAVITWALALLSVFATVQARKSFWEYFGQNSQGGKMMGQQKLAQESLKGSLQDLYNMNNFLEKLGPL
 REPGKEPPRLAQDPEGIRKQLQQELEEVSTRLEPYMAAKHQQVGNLEGLRQQLKPYTVELMEQVGLSVQ
 DLQEQLRMVGGKTKAQLLGGVDEAMSLLDQMQRVLAHHTDRVKELFHPYAERLVGTIGHHVQELHRVAP
 HAVASPARLSRCVQTLSHKLTRKAKDLHTSIQRNLDQLRDELSTFIRVSTDGADNRDSDLPQALSDEVRO
 RLQAFRHDTYLQIAAFTQAIDQETEEIQHQLAPPPSHSAFAPELGHSDSNKALSRLQSRLLDDLWEDIAY
 GLHDQGHSQNNPEGHSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

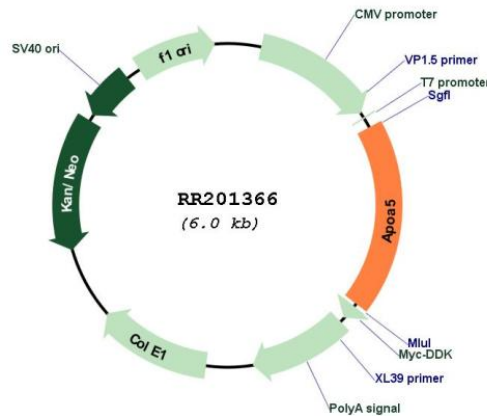
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_080576

ORF Size:	1101 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_080576.2 , NP_542143.1
RefSeq Size:	1870 bp
RefSeq ORF:	1104 bp
Locus ID:	140638
UniProt ID:	Q9QUH3
Cytogenetics:	8q22
MW:	41.4 kDa
Gene Summary:	member of the apolipoprotein family; expression increases during liver regeneration [RGD, Feb 2006]