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Product datasheet for RR216319

Apoe (NM_001270681) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoe (NM_001270681) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apoe
Synonyms:	APOEA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RR216319 representing NM_001270681
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCCC

ATGAAGGCTCTGTGGGCCCTGCTGTTGGTCCCATTGCTGACAGGATGCCTGGCCGAGGGAGAGCTGGAGG
TGACAGATCAGCTCCCAGGGCAAAGCGACCAACCCTGGGAGCAGGCCCTGAACCGCTTCTGGGATTACCT
GCGCTGGGTGCAGACGCTTTCTGACCAGGTCCAGGAAGAGCTGCAGAGCTCCCAAGTCACACAGGAACTG
ACGGTACTGATGGAGGACACTATGACGGAAGTAAAGGCATACAAAAAGGAGCTGGAGGAACAGCTGGGCC
CAGTGGCGGAGGAGACACGGGCCAGGCTGGCTAAAGAGGTGCAGGCGGCACAGGCCCGTCTGGGAGCTGA
CATGGAGGATCTACGCAACCGACTCGGGCAGTACCGCAACGAGGTAAACACCATGCTGGGCCAGAGCACA
GAGGAGCTGCGGTCGCGCCTCTCCACACACCTGCGCAAGATGCGCAAGCGCCTGATGCGGGATGCGGATG
ATCTGCAGAAGCGCCTGGCGGTGTACAAGGCCGGGGCACAGGAGGGCGCCGAGCGCGGTGTGAGTGCTAT
CCGTGAGCGCCTGGGGCCACTGGTGGAGCAGGGTCGTCAGCGCACAGCCAACCTAGGCGCTGGCGCCGCC
CAGCCCCTGCGCGATCGCGCCCAGGCTTTGAGTGACCGCATCCGAGGGCGGCTGGAGGAAGTGGGCAACC
AGGCCCGAGACCGCCTAGAGGAGGTGCGTGAGCAGATGGAGGAGGTGCGCTCCAAGATGGAGGAGCAGAC
CCAGCAGATACGCCTGCAGGCCGAGATCTTCCAGGCCCGCATCAAGGGCTGGTTCGAGCCGCTAGTGGAA
GACATGCAGCGCCAGTGGGCAAACCTAATGGAGAAGATACAGGCCTCTGTGGCTACCAACTCCATTGCCT
CCACCACAGTGCCCCTGGAGAATCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

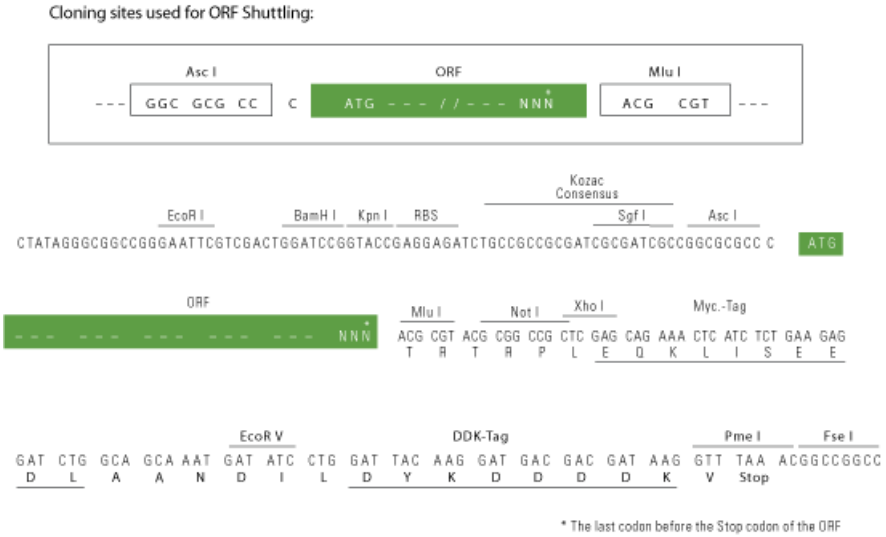
>RR216319 representing NM_001270681
Red=Cloning site Green=Tags(s)

MKALWALLLVPLLTGCLAEGELEVTDQLPGQSDQPWEQALNRFWDYLRWVQTLSDQVQEELQSSQVTQEL
TVLMEDTMTEVKAYKKELEEQLGPVAEETRARLAKEVQAAQARLGADMEDLRNRLGQYRNEVNTMLGQST
EELRSRLSTHLRKMRKRLMRDADDLQKRLAVYKAGAQEGAERGVSAIRERLGPLVEQGRQRTANLGAGAA
QPLRDRAQALSDRIRGRLEEVGNQARDRLEEVREQMEEVRSKMEEQTQQIRLQAEIFQARIKGWFEPLVE
DMQRQWANLMEKIQASVATNSIASTTVPLENQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001270681

ORF Size: 936 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).

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Reconstitution Method:
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_001270681.1, NP_001257610.1

RefSeq Size: 1212 bp

RefSeq ORF: 939 bp

Locus ID: 25728

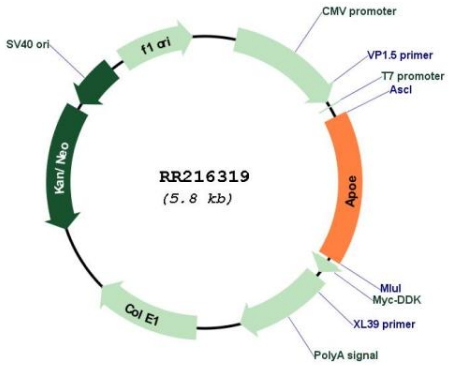
UniProt ID: P02650

Cytogenetics: 1q21

MW: 35.8 kDa

Gene Summary: plays a role in plasma lipoprotein transport [RGD, Feb 2006]

Product images:



Circular map for RR216319

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