

Product datasheet for **MC208139**

Apoe (NM_009696) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoe (NM_009696) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apoe
Synonyms:	A; A1255918; Apo-E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208139 representing NM_009696 Red=Cloning site Blue=ORF

CTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGAAGGCTCTGTGGCCGTGCTGTTGGTCACATTGCTGACAGGATGCCTAGCCGAGGGAGACCCGGAGG
TGACAGATCAGCTCGAGTGGCAAAGCAACCAACCCTGGGAGCAGGCCCTGAACCGCTTCTGGGATTACCT
GCGCTGGGTGCAGACGCTGTCTGACCAGGTCCAGGAAGAGCTGCAGAGCTCCCAAGTCACACAAGAAGT
ACGGCACTGATGGAGGACTATGACGGAAGTAAAGGCTTACAAAAGGAGCTGGAGGAACAGCTGGGT
CAGTGGCGGAGGAGACACGGGCCAGGCTGGCAAAGAGGTGCAGGCGGCACAGGCCGACTCGGAGCCGA
CATGGAGGATCTACGCAACCGACTCGGGCAGTACCGCAACGAGGTGCACACCATGCTGGCCAGAGCACA
GAGGAGATACGGGCGCGGCTCTCCACACACCTGCGCAAGATGCGCAAGCGCTTGATGCGGGATGCCGAGG
ATCTGCAGAAGCGCCTAGCTGTGTACAAGGCAGGGGCACGCGAGGGCGCCGAGCGCGGTGTGAGTGCCAT
CCGTGAGCGCCTGGGGCCTCTGGTGGAGCAAGTGCAGCGCACTGCCAACCTAGGCGCTGGGGCCGCC
CAGCCTCTGCGGATCGCGCCAGGCTTTTGGTGACCGCATCCGAGGGCGGCTGGAGGAAGTGGCAACC
AGGCCCGTGACCGCCTAGAGGAGGTGCGTGAGCACATGGAGGAGGTGCGTCCAAGATGGAGGAACAGAC
CCAGCAAATACGCTGCAGGCGGAGATCTCCAGGCCCGCCTCAAGGGCTGGTTCGAGCCAATAGTGGAA
GACATGCATCGCCAGTGGCAAACCTGATGGAGAAGATACAGGCCCTCTGTGGCTACCAACCCCATCATCA
CCCCAGTGGCCAGGAGAATCAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Ascl-MluI
ACCN:	NM_009696



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Insert Size:	936 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC028816 , AAH28816
RefSeq Size:	1104 bp
RefSeq ORF:	936 bp
Locus ID:	11816
UniProt ID:	P08226
Cytogenetics:	7 9.94 cM
Gene Summary:	<p>This gene encodes a member of the apolipoprotein A1/A4/E family of proteins. This protein is involved in the transport of lipoproteins in the blood. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. Homozygous knockout mice for this gene accumulate high levels of cholesterol in the blood and develop atherosclerosis. Different alleles of this gene have been associated with either increased risk or a protective effect for Alzheimer's disease in human patients. This gene maps to chromosome 7 in a cluster with the related apolipoprotein C1, C2 and C4 genes. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1-4 encode the same protein.</p>