

Product datasheet for **MG206177**

Apoa4 (NM_007468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apoa4 (NM_007468) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apoa4
Synonyms:	Apoa-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206177 representing NM_007468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCTGAAGGCTGCGGTGCTGACCCTGGCCCTGGTGGCCATCACCGGCACCCGGGCTGAGGTCACTT
CGGACCAGGTGGCCAATGTGGTGTGGGATTACTTTACCCAGCTAAGCAACAATGCCAAGGAGGCTGTAGA
ACAGTTTCAGAAGACGGATGTCCTCAGCAGCTCAGTACCCTCTCCAGGACAACTTGGGGATGCTAGT
ACGTATGCTGATGGGTGCACAACAAGCTGGTGCCTTTGTCGTACAGCTGAGTGGGCATCTAGCCAGG
AACTGAGAGGGTGAAGGAAGAGATCAAGAAGGAGCTGGAGGACCTACGTGACCGCATGATGCCCATGC
CAACAAAGTAACCCAGACGTTCCGGGAGAACATGCAGAAGTTGCAGGAGCACCTGAAGCCCTATGCCGTG
GACCTGCAAGATCAGATCAACACACAGACCCAGGAAATGAAGCTCCAGCTGACCCCATACATCCAGCGCA
TGCAGACCACGATCAAGGAGAATGTGGACAACCTGCACACCTCGATGATGCCCTTGCCACCAACTTAAA
GGACAAGTTTAAACAGGAATATGGAAGAGCTCAAGGGGCACCTAACCCCGTGCACACGAGCTGAAGGCC
ACGATCGACCAGAACCTGGAGGATCTGCGCCGACGCTGGCCCTCTGACGGTGGGCGTGCAGGAGAAAC
TCAACCATCAGATGGAGGGCCTGGCCTCCAGATGAAGAAGAACGCGGAGGAGCTCCAGACCAAGGTCTC
CGCAAAAATCGACCAGCTGCAGAAGAATCTGGCCCGCTGGTGGAAAGACGTGCAGAGCAAGTGAAGGGC
AACACGGAAGGGCTGCAGAAGTCTTGGAAAGACCTGAACAGGCAGTGGAGCAGCTGGAGGAGTTCC
GACGCACTGTGGAGCCCATGGGAGAGATGTTCAACAAGGCTCTGGTGCAGCAGCTGGAACAGTTCAGACA
GCAGCTGGGTCCCAATTCGGGGGAGGTGAAAAGCCACTTGAGCTTCTGGAGAAGAGCCTGAGGGAGAAG
GTCAACTCCTTTATGAGCACCTGGAAAAAAGGGGAGCCAGACCAGCCTCAAGCCCTCCCCCTCCCGG
AGCAGGCCCAGGAGCAGGCTCAGGAGCAGGCTCAGGAGCAGGTGCAGCCCAAACCTCTGGAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206177 representing NM_007468
 Red=Cloning site Green=Tags(s)

MFLKAAVLTALVAITGTRAEVTSQVANVVWDYFTQLSNNAKEAVEQFQKTDVTQQLSTLFQDKLGDAS
 TYADGVHNKLVFVQVLSGHLAQETERVKEEIKKELEDLRDRMPHANKVTQTFGENMQKLQEHLKPYAV
 DLQDQINTQTQEMKQLQTPYIQRMQTTIKENVNHLHTSMPLATNLKDKFNRNMEELKGHLTPRANELKA
 TIDQNLLEDLRRSLAPLTVGVQEKLNHQMEGLAFQMKKNAEELQTKVSAKIDQLQKNLAPLVEDVQSKVKG
 NTEGLQKSLLEDLNRQLEQQVEEFRRTVEPMGEMFNKALVQQLQFRQQLGPNSSGEVESHLSFLEKSLREK
 VNSFMSTLEKKGSPDQPQALPLPEQAQEAQEAQEAQEQVQPKPLES

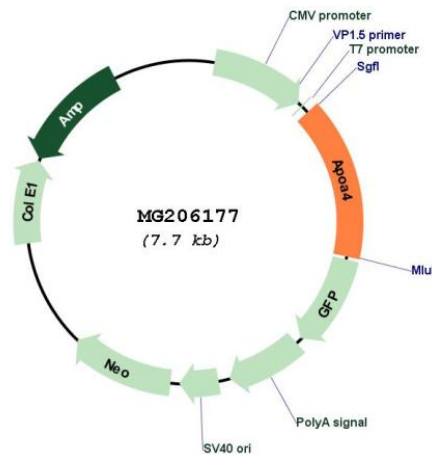
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007468

ORF Size:	1185 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_007468.2 , NP_031494.2
RefSeq Size:	1666 bp
RefSeq ORF:	1188 bp
Locus ID:	11808
UniProt ID:	P06728
Cytogenetics:	9 25.36 cM
Gene Summary:	May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.[UniProtKB/Swiss-Prot Function]