

Product datasheet for **MC222748**

Apobr (NM_138310) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apobr (NM_138310) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Apobr
Synonyms:	Apob-48r; Apob48r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222748 representing NM_138310
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTTCTCCGGCTTCGTCTCCCTGGGCTACATCAGGCTTTGAGGGGAGCACTGGACTCCTTCAGTG
 CGTTTGTCTCCTACCTCGTAGGAGACACAGTCCCCACAGTAGAGAGGCAGACACAGGCAGCTGAGGAACT
 GGGAGAGGTGACTGAGGGGAAGTTGTAGGAGAGGAAGCCAGGAGTACTGGAGGGACTTAGAAGTGGC
 CAGAGTGAGGGGTAGAAGCACCCGAAGAGACTAGAAGATGCCAAGAAGGAAGTTTAGCTGGTGAACAGA
 CCTGGGGTGGAGAGCAGATAGCTCTGCAAGGCCCAAGCAGAAAAGGCAGGACTGGGTCTGGAAGGC
 AGCTGAGGATGCCAGGGCCAGGAGCCAAGTGTCCACTGAAGCCTGAGGCAGAGCCTGGGACTCACAGA
 GACAGGAGCAGTAATACAGCCAGGAGATCTGGGAGCACGGTGAAGAGGAAGCAAGCAGTGGGGAGCCTC
 TGAGAACCTGTGAACAGAAGGAAGAAGAGGAGGAGGTGGTCAGAGCAGCAGAGTCAGGGATGGCCGAGGG
 GGTGGAGTCACAGCCAACCTGGCACAGCGAGCCTGGGGGAATGCTGGCACTGAGGGGCAGCATGTGACA
 GAGGACAGCAAAGAGATAGACTGGTGGCCAAAGACATGGTTGCAGAAATCGAATGGTTTGGTGCCAAAG
 GGATTGACAAGGAAGAGGAGAGGATGGTCCCAATGAGGGATGGTAAAAGGGCAAGGGCACAGGGGACACA
 ATGCCCGGGGCGAGTCTGAGGACCAGGCCATGTTGAGTAGAGAGGCCTGGACAGTCTCAGACAGGGAG
 GGGGCTGATAGCCTAGGAGTTCAGGGAACAGAATACGGGTGAGACCCAGGAGACAACCTCCAGGAACTA
 CTGGGAGAGTCTGGTCTAGAAGAGGCTGACAAGGGAGACCAGCAGGATGAGGTGACGAGAAGAGAGA
 GGCTGAAGTTAGGTTCCGATCCAGACCCTGGAGGCTGAGAGAAGTGGAGAGATGACTGAAGGCCACATA
 GCTGAAGAGGAGGCTATGGGAGAACAGGAACAGAGGGCAGCTTTGAGGATGAGGAGAGGCAAGACTTAG
 CCATCAGGGATAATGGAGTGAGTCTAGAAGAAGAGGTACGGGCAGAAGAATCCTCCAGGGAAAAAGGAA
 CTCTGGGCCACAGAGCCTACGCTAGCTCTAGACACGGAGGCTAAAGATGAACCTGACTGGGAAGACTCT
 CCAAGAGTCAGCACTGAGGAGTTGTTTGTGGGAGAGAGGAGTGAAGCCGCCAGATGACACCAGAGGTAT
 TGAGAGTAAAGGTCAGTGAAGGACAGGACCCTGAGCTGGTGGAGACATTCCAGGCTTTAACTAAACAACT
 TGAGGAAGGACAGAAGGGTCAGGAAGAGACTAGTGGAGCTCCAGACCTGAGCCAGAGCGGGTGCTAAGC
 TTGAAGGAATATCCTGGGCTGTGGGTTTGCAGGCCCTGAGCTAGAAGCCTGGGAACTGGAGTAGGG
 GTGTGGACCGCAGAAATAGCCAGGAGGTAAAAGCAGATGCTGAAGCAGGCAAGGAACAGACTGCAACCGA
 GCAGGCAGTGGAGATCCGGCTGAAGGAGGCCAGGAGGCCAACAGCCAGAGGTCTCGGGTCAAGGAGGA
 GAGGAGGCACTGACCTCCGTAGCACTTAACCCGGAGCTGGAGGGAAGCCAAGGAGCAGAGCGGGGACAG
 AAGAGTCAGTGGAGGAATCCAAGCCACAGAAAACGAGGCTGCTGAGGAGGAGGCTGTAGTGCCTTGGGA
 GGCAGATGGAACCTGCAGGAAGAGGAGGCTGGAGGAGGTGACTCTGAGCCTGCAAGACAGTGGAGACACA
 GAGACCAGTTATTTGGCTGAGGAGATTATTGTGGGTATCAGGGCCGTGGATACCGAGGAAGGGCCAAAAT
 GGAAGCTGGGTTGGCTCCAGAAACAGAGCTTGGGAAAGCCTGGTGTCCGAGGGCAGAGGGGAGGCTGG
 GAGAGGCACGGAGCTGGAGGAGACTACAGAGAAGCAAAGTGGACAGGAAGTTGGCTTGGTGGGCTCAGCA
 GAGAAGGTGTCTGGCTATGATATCCAAGAAATTGATGGGACTGAAGAGGGGGAGCAGGCAGAGATGGAGA
 CATCTGTAATGGCAGAAGACATAAGGGGGACGGATGGTGTGACTTTAGGCTCCAGGCAGAGAGAGCAGA
 GGGTCCATAACCCCATGGAGACTGAGGGGCTCCTAAGAGATCAGATGCTGTTGGAAGAAGAGGCTGGG
 GGAGGGCAGTCGCGAGAGCAGAAGGTCCACAACCTCAGAGGGCAGATCCAACCGTGGACGACTCTTCAG
 ACCAGGAGGGGCAGCAGACACCAAATCCCCACAGTAGCTGTGCTGGGCCCTTGAATCGGCTGAGGC
 CACGGCAGGTGCCAGGGGATGTTACAGCAACTGGAATGAGGCCCTGCTCCCTGGGTCCCGCCTGGAT
 GTCTGTCCCTCGGAGTCGTGTCTCTCTCGAAGCTCCTCACGGCGGCGCTCGAGGCCCTCTTTCC
 ATCGAATCTCTGTTCTGAGCCACAGTGTGACCCTCCAGCCCCAACCCAGGCGGAGCGGCGGTCCC
 TGAGCAATCCTCTCTCAGCTAGAGGAACTCCAGAGCTAAGTCCACAAAGCCGAGGGGACTCCAGTG
 CCAGCCAGAAGAAAATGCTGGGGCTGGGTTTGGCTTTGCTCATCTGGCATGATGACGAGGCTGCAAG
 CCCGACTGAGCCAGCCAAAGCCACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_138310
Insert Size:	2829 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:	NM_138310.1 , NP_612183.1
RefSeq Size:	3615 bp
RefSeq ORF:	2829 bp
Locus ID:	171504
UniProt ID:	Q8VBT6
Cytogenetics:	7 F3
Gene Summary:	Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG-VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages.[UniProtKB/Swiss-Prot Function]