

Product datasheet for **MC206628**

Adipor2 (BC024094) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adipor2 (BC024094) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adipor2
Synonyms:	Paqr2, ADCR2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>BC024094
CACAGAATCCGTGGAGCTCAGCAGTACCCTCAGACTCTGGTCTACAACCTGACAGGATTTGGGGTCAA
CTTACCATCCCTTAAAAATCCATTCTCCCAAGAAGAAGGGACAGAAAGAAAGACCACTTTGTAAGAAAGG
CTTTGGTATCCCATGAACGAGCCAGCCAAACACCGATTGGGGTGACCAGGACTCCAGAGCCAGATATAC
GGCTCAGAAAAGGGCACCAACTTGATGATACAAGGGAAGTAATAATGACAACCTACCAAGGAGATTTGGA
GCCAGCTTAGAGACACCTGTTTGTCTTCTATTATGAAAATAGCCCGAGGAGCCGAGTGTCATGAT
GACAATCCCAGGAAGATGAAGGGTTTATGGGCATGTCCCGCTCTACAGGCCCATCATGCTATGGAAC
GAATGGAAGATTTGTTTGAAGGTGTGGGAAGGCCGATGGCGAGTGATCCCTCACGATGTGCTACCGGA
TTGGCTTAAGGATAATGACTTCTTCTCCATGGACACCGGCTCCTATGCCTTCTTTGGGCTGTTTT
AAGAGCATTTTTAGAATACACACAGAGACGGCAACATTTGGACACATCTCTAGTTGTGTATTCTTCC
TGTGCCTGGGGATCTTTTATATGTTTCGCCAAATATATCTTTTGTGGCCCTCTGCAAGAGAAAGTGGT
CTTTGGCTTGTTCTTCTTGGGAGCCATTCTCTGCCTTTCTTTTTCATGGCTCTTCCACACGGTGTACTGC
CACTCAGAAGGGGTCTCCCGACTCTTCTCTAAATTGGATTACTCTGGTATTGCTCTTCTGATCATGGAA
GTTTTGTCTTGGCTTTATTATTCTTTCTACTGTAACCCACAACCTTGCTTCATCTACCTGATTGTCAT
CTGTGTGCTGGGCATTGCAGCCATTATCGTCTCTCAGTGGGACATGTTTGCCACCCTCAGTATCGGGGG
GTCAGAGCAGGAGTGTTTCGTGGGCTTAGGCCTGAGTGGAAATCATCCCTACCTTGCAATATGTCATCTCAG
AAGGGTTCCTGAAGGCTGCCACCATAGGGCAGATAGGCTGGCTAATGCTTATGGCTAGCCTCTATATCAC
CGGAGCTGCCCTCTATGCGGCCCGTATCCCTGAGCGCTTCTTTCTGGCAAAATGTGACATCTGTTTTCAC
TCTCATCAGCTCTTCCACATCTTTGTGGTGTGCTGGTGCCTTTGTTCACTTCCACGGAGTCTCAAACCTGC
AGGAATTTTCGTTTCATGATTGGCGGGGCTGCACTGAAGAGGATGCACTGTGATACTCTCCAGGAACCCAG
GGACTCTGACCCTGAGCCAGGCTGCAGGTCTGCAGGCCTTCTTACTGGCTGTGGTGGCAGTGGCCAGA
GAAGCCCCAAAACCTTGGACAGCCTCATGGGCTTGTGTTGGCCAAAGGGCTCCATGGGGTACAAGACTAA
GAAGAGAAAAACAAAATAAATCATACCTCAAAGGATGGAATGCATCGATTAGGAGAGAAGGAGAAATGG
CTCATCCCTGGCTTCTTCTTGGGATCTACCGATTGAAAGCAACTCTGCAAGACCCTCGCCTGACAGGCT
GGCTTCTGATGTGATCGTATTTATTTGTAGAAGATGGGGAACAGTTTAGTTGGTGGTCTTTCTTCTCC
TTCCTTGCTCCTTGACAGCAGTAACATGTATGATACCATGCACCAACTGATCGTCCATTGGAGCTCCTT
AAACAGTAATCACAACCAAGCTAGGGGAACATTTGTATCCAATAAAGGGGTGGGAGTGGGTTTTAGGCA
```



[View online »](#)

```

CTCCTTTGGGAGAACAAAGAAATTAATGTAATAAGATTTCTAATTTACTGTTTAAATAAGAATTTATAT
AAACATTTAAGACATAGGGGCAGGGAGGGAGGGAGACTTTTTTAAAAAGAATGAAACATGCAAGTACCA
CACACTGTTTCAATTTTGACAAGTGATGGGAGGAGGATGGAGTGGTAGCCCCAGAATGCACGATGTCTT
GGTGCACCAAGGTGCCTTCCCTAGGCCGATAACACTTGGACCCTGCTGGGGCAGAGTGGACAGCCCCAGC
CCAGGAACTTCTGGCCACTCTCAAGACTGAGAGCCTTTGGGCATTAGAGGGGGAGGGATGTGGAAGTC
GTGTGTGCTTTTCAATGGAAGCAGCACAGGTTGTCATAGTGGCTCTAGAGAAAAGTGCATTTGGGAGACT
GTTATGTAGGCTAGTGATGACCCTTTTGAAGAGTGAAGCCACCTGGTTCTACTGTAGATGTAGTAGAGAC
TTGATGAAGGGGAGGAGACCTGGGGGCATCAGCATAGGACTGGTCTGCTTCTCCCTGGTGTCTCGTTTG
ACCAGGTGGTAGTTCTTATCTGAATAGAGGTATGGCCATTTTCCAGACCCTCTCTGTGGAGCTCTGAGCC
ATTCTGCAAATTTTGGCTCTATTGAGAATCACTGCCCTAACTGTCTTCTCCTGGAAATCAAAAAGTCC
CCCCCCCCCAGCATCAAAGCTCCTTCGTGGAGCCGGCCACTAGTGAGATTCTGATGAGCATGGGTCCC
ACCTGAAGTCATGCAGGCAGGTGTGGAGGACCATCCCTTGGACTAGGAATGGTGGCGCTTTTCTCTGGT
CAGGCTTGGCAGGCTTGGCATGACAACAGATTCTTCTCCCGTTGAACAAGAAAGTCAGTAATACCTACTG
TGGAGTTGTTAGCACGCACTGAATGCCATTTGCAAGACCTGTGCTACAGAGTTGAAAAGGAAGTGGACTG
TTATTACCAGGTAGTCGGATAGAATTAACCCACAATTTTGAATTGCTGCTAGAAGTTACAATAATTTT
TTTGTCTAGGGCCTTCTTGTTATGGGTTTATAGAGAGTGGCAGTGAGTTGGGTCTTGGCTCCTAAGTGAG
AAACCAAGCACTTGAGTCTTCTAGACTCTAGGCCCTCACTCCTTGGGGCTGGTGGGTATTGCAAGTGAACA
TGGGCCTCGGGCATCCCAAAAGGGGTGCTGGGCAGTATGAGGAGGTCCTGTTTTACAGTAGTGTCTTCT
TGGTCTGTTGTCTTCTCTACCTTCAGATCGCCACCCAGCTGCAGCTGGGACCCAGGAAGGAGTCCA
TTGAAAACCTGGGAAGAAGTTCAGAGTATTGGGTTGTGGATAAGGTCAGTGCCTAGGTAGGCCAACAG
GAAGCTCTGGGTGAACAGCATTGTGCCAGACAATAAGAACAGTGTTAATTCCTCAAGAAGCAGTTCATC
AAGACAGTGTCCATCCGGAAGGAAGCTCACCTAGGCTTGTGGTAGCAACAGCACATATCAGCAGCCAGAC
GCACCTCTGGTGTGCACTTTGGGACATGAGTTTGGAGACGCTTCTCATGACACCTACAGGAGTAGAGG
TCTTTGGGACTGGTGCATCCCTCTTCCCAAAGCAGGGAGACTCTGGTTCAACATAGCACAAAAGTCTTAGGG
AACCGAATCACCAACCACCACTGTAGTCCAGTAACTTCCCTTCGGTGTGTGTGTGGGCATGTGTGTGCC
CTGTATGTCTGCGCAGCTCACTACCAACAGCCTCCATGTGCACTTGACCTTGTGGTGCCTCCGGAACTT
TCCAGGTTGGCACCTGAATGCCTTACTCTCAGCAGTCTGAGGCTCGCTTGTCTGCGCACACATTTAGT
CTCCTTTTTTGGCCCTAGGCTGGTTAGGAACCTGTACACCTTCACTCTCTCATTAATAAGTGGCCTT
TTTCAGTATTTCTCTCTCCCTCTATAAGTTGCTGAAATCACAAAGCACACTTTTGGGGATCATAGAAG
GTTGGGGTTCCAGAAAGGCATCTCTGTGATGGTCCATTCACTATGGGGATTTCCCTACTTGTCTCTTC
TTGATTTCTCTAATAAAAAGAGCCAATGGAATAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAA
    
```

- Restriction Sites:** EcoRI-NotI
- ACCN:** BC024094
- Insert Size:** 1161 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:

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: [BC024094](#), [AAH24094](#)

RefSeq Size: 3975 bp

RefSeq ORF: 1161 bp

Locus ID: 68465

Cytogenetics: 6 56.78 cM

Gene Summary: Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed:17327425, PubMed:17068142, PubMed:17268472, PubMed:24742672). Required for normal body fat and glucose homeostasis (PubMed:17327425, PubMed:17068142, PubMed:17268472, PubMed:24742672). ADIPOQ-binding activates a signaling cascade that leads to increased PPARA activity, and ultimately to increased fatty acid oxidation and glucose uptake (PubMed:12802337, PubMed:17268472, PubMed:24742672). Has intermediate affinity for globular and full-length adiponectin (PubMed:12802337). Required for normal revascularization after chronic ischemia caused by severing of blood vessels (PubMed:24742672).[UniProtKB/Swiss-Prot Function]