

Product datasheet for **MC205101**

Adcyap1 (NM_009625) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adcyap1 (NM_009625) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adcyap1
Synonyms:	P; PACAP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057344
 GTTTTGTGCGTCTACAAAGTTTTGAGCGGAATTTAGCCTCGGCAACAAGTCTCCCCAGCTCCTTCAGC
 TAATCCCCGCGGCTTCTCTCCAGACACCAGCTCCAGACAGTACTGATGCTTCTCGGGTTGTGATCCAG
 CGCAGAAACTCGAAGGAGCCTTTGCCCGCTGTCTACTTAGTCAACCCTTCTAGACACCAATGACCAT
 GTGTAGCGGAGCAAGGCTGGCCCTGCTGGTGTATGGGATAATAATGCATAGCAGTGTCTCCTGTTACCT
 GCCGCCGACTCAGCTTCCCTGGGATCAGACCAGAAGACGAGGCTTACGACCAGGACGGAAACCCGCTGC
 AAGACTTCTATGACTGGGACCCTCCCGCGTGGGAGCCCGCCTCCGCGCTGCGTGACGCTTACGCCCT
 TTAATCCAGCGGACAGGAGAGATGTCGCCACGAAATCCTTAACGAAGCCTATCGAAAAGTCTTGGAC
 CAGCTGTCCGCCAGGAAGTACCTGCAGTCGGTCTGGCCAGGGCGCGGGGAGAACCTAGCGGCAGCG
 CGGTGGACGACCCGCGCCCTTACCAAACGCCACTCGGACGGCATCTTACAGATAGCTACAGCCGCTA
 CCGAAAACAAATGGCTGTCAAGAAATACTTGGCGCCGTCTAGGAAAAGGTATAAACAGAGGGTTAAA
 AACAAAGGACGCCGAATAGCATACTTGTAGCAGATCAGCTGCCGGCTACCTTGTGTATAAAATGAAAAGT
 CGTTTTCAAATTGACTGACCAGTCATCACTCGTGTCTTTCAAACATGATTTATGTATCAAGTAAAG
 CCATTAATGACTATTTGATAATAATATTGTTTTCTTTTATGAAGCACTAGAGAATGCACAGATATA
 CTTTGTGGACCAATTATTGATATATATTATAAGTATATATATAAGAATATATATAAGTATAACAGAGAG
 CAATTAAGATGGGTGCACAAGGATTGAAAATTCGCCTGAGCTGTTTATGTTTTATATAAAGTAAATAGA
 GAAAATAGACAACCAATTGTTTTGAATATTACTCTATTTTTGAAAAGTAAAGGATAGTATTTTT
 ATCCACAACCGTCTTGAAGATACCAATAATGGCCATTTGTACAAAAACAATGATGCCCTGCTCCAGGGG
 AATTCTGAGGTAATGACTTGGGGAATTGCTGAAGGGCTTCTTTCCCTCTGAGCTGGGGCAGGCTGCTT
 GAACCCAGCCTAACTCAAGTGGGCATTGTCCACTGGTTGCAGGGGCAATTCCAACAATTTCACT
 TTCTTTGATTATGTGATTTGTCTCTCCTCAGACTCTCAGCCAGAAGGAAATTAATTAACAACAGC
 TCTATCCAAATTTGCTTCTCCCAAGACTCATGTCATTCCTGATAGAAGAGTTGAGGAACTGTACAGA
 AGAGACAGGCTTGGAGAGAGACTCTCTTTCTGACTTCTGATTCTCCAGGGAACAGACTATTCTAAG
 GCTAGGGCAATTGGAACAAAGTAAAGATATATAAGGGATTGGTAAAGGCAGAACATGGGGATTTGAGAT
 TTGAGAGTTGCCTCAGGTCTGAGAATCTGGGGCAAGTCTAGCTCCTCTGTAGGTTCCACTGCCTGACAG
 ATCAGGTGCTGGTGTGGAATGAATGCAAAGTACAATGTGTTTTCTCCAGTGCTGTTTCATGCTTTTCAT
 GTTGTGAAATGGCCAGGATCCTCCCTTTGAACACTGTTCTGCAGAAGCCAGCTCTGTTCTTTGTGGATT
 TTCTGGAGACCCTCCTTCTACCCTTGCCTCATGCATTGTTTTAGAGTCATTTGCCATTTTCACTCAC
 TTATCTAAATTTGTGAATGCTAGTTATTTTTGTTGTTTGTGATGCAAGCAGTACTGTGAAGTTTAA
 GAACCCCTGTGTAGCTTCCACAGAGAAATATGCACTAAATATGAACCTTTTGTCTTGTATTGAGT
 TTGTAGGTAATAATGATTTTTCTATATTATGGCTTATTGCTTAGTAAAAATTTATTTCAAAAAAAAAA AAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_009625

Insert Size: 528 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: [BC057344](#), [AAH57344](#)

RefSeq Size: 2108 bp

RefSeq ORF: 528 bp

Locus ID: 11516

UniProt ID: [O70176](#)

Cytogenetics: 17 E5

Gene Summary: This gene encodes a member of the glucagon superfamily of hormones that have important roles in growth and metabolism. The encoded protein undergoes proteolytic processing to generate mature peptides that function as hypophysiotropic hormones, neurotransmitters, neuromodulators and vasoregulators. Mice lacking the encoded protein exhibit a high rate of early mortality. The surviving adult animals lacking the encoded protein exhibit decreased anxiety, hyperactive behavior and impaired steroidogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]
Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same protein (isoform 1).