

Product datasheet for MR201053

Adm2 (NM_182928) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adm2 (NM_182928) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adm2
Synonyms: Am2; IM; IMD; lmdn; inter
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201053 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGTTGCTGATGGTCACGGTAACCCTCGGTTGCATCAGCCTCCTCTACCTGCTCCCCGGCACGT
TGTCTGGCAGCCTGGCAAGGGACTGAGGCACTCCAGACCCAGAGAGCCCCAGCTAAGATTCCTCCAG
TAACCTGCAGCCTGGACACCCCTCCCTCAGCCTGTAGTCTGGAAGTCTCGTCGTCATGCCCCCAGCCA
CAGGGAAGGGCAACAGGGCCCTTGCTATGGTTCATCTGCCTCAGGGTGGTGGCTCACGACCCCTGGTC
CCCAGCGTCCCACGGGATCCCGAAGACCCATGCCAGCTCCTGCGGGTTGGCTGTGTACTGGGTACATG
CCAAGTCCAGAATCTTAGCCATCGCCTGTGGCAGCTTGTCCGGCCAGCTGGCCGGCGGGACTCAGCTCCT
GTGGATCCAGCAGCCCCACAGTTATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201053 protein sequence
Red=Cloning site Green=Tags(s)

MAQLLMVTVLGCLISLLYLLPGTSLGSLGKGLRHSRPREPPAKIPSSNLQPGHPSLQPVVWKSRRHAPQP
QGRGNRALAMVHLPQGGGSRHPGPQRPTGSRRPHAQLLRVGCVLGTCQVQNLSHRLWQLVRPAGRRDSAP
VDPSSPHSYG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_182928

ORF Size: 453 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:**
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_182928.5](#), [NP_891558.1](#)

RefSeq Size: 1121 bp

RefSeq ORF: 453 bp

Locus ID: 223780

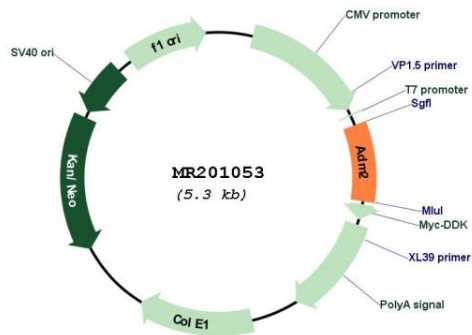
UniProt ID: [Q7TNK8](#)

Cytogenetics: 15 E3

MW: 16.2 kDa

Gene Summary: This gene encodes a member of the calcitonin gene-related peptide (CGRP)/calcitonin family of hormones that play a role in the regulation of cardiovascular homeostasis, prolactin release, anti-diuresis, anti-natriuresis, and regulation of food and water intake. The encoded protein is proteolytically processed to generate one or more biologically active peptides. Intravenous injection of the active peptide was found to protect mouse lungs from ischemia/reperfusion injury. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR201053